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Ziegler, A. C.

Aug.-Dec., 1957

Catalogue

nos. 790-981





A.C. ZIEGLER  
1957

CATALOG.

NOTES: # 789 NOT USED.  
A.C.Z.

BARK SHAWNY CAMP, 3700<sup>±</sup> FT., T. 12 N, R. 5 E, sec. 13, SISKIYOU CO., CALIF.

AUG. 21

790	♂ (TES 2x5 CAIO-)	<u>PEROMYSCUS MANICULATUS</u>	174 - 91 - 23 - 17 <sup>(W)</sup>	16.8
791	♀ (4 OLD SCARS)	" "	174 - 86 - 22 - 17 <sup>(W)</sup>	18.5
792	♀ (NO EMB'S)	" "	175 - 82 - 21 - 16 <sup>(W)</sup>	18.0
793	♀ (2-15 MM EMB'S LT. SIDE VAGINA OPEN)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	143 - 39 - 19 - 12 <sup>(W)</sup>	25.8

AUG. 22

794	♂ (TES 3x6 mm CAIO-)	<u>PEROMYSCUS MANICULATUS</u>	183 - 91 - 21 - 17 <sup>(W)</sup>	15.8
795	♀ (NO EMB'S)	" "	185 - 88 - 21 - 18 <sup>(W)</sup>	17.6
796	♂ (TES 6x9 CP. IO+)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	142 - 43 - 18 - 13 <sup>(W)</sup>	21.1
797	♀ (NO EMB'S)	<u>EUTAMIAS</u>	243 - 103 - 35 - 22 <sup>(W)</sup>	63.5
798	♀ (NO EMB'S)	<u>SCIURUS DOUGLASSI</u>	326 - 128 - 51 - 26 <sup>(W)</sup>	211.5
ALCOHOLIC 799	♀	<u>EUTAMIAS</u>		
800		<u>GEORGEONOTUS</u>	TOTAL 267, SNOUT-VENT 101	
801		<u>RANA</u>	SNOUT-VENT 51	
802	♀ (NO EMB'S)	<u>EUTAMIAS</u>	238 - 101 - 33 - 21 <sup>(W)</sup>	62.0

AUG. 23

803	♂ (TES 3x5 CAIO-)	<u>EUTAMIAS</u>	250 - 103 - 36 - 23 <sup>(W)</sup>	82.2
804	♀ (NO EMB'S OR SCARS, VAGINA NOT OPEN)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	139 - 41 - 19 - 12 <sup>(W)</sup>	19.9

ELK VALLEY GUARD STA. 4300<sup>±</sup> FT., T. 14 N, R. 4 E, Sec. 23, DEL Norte Co., CALIF.

AUG. 23

805		<u>SALICICOLA</u>	TOTAL 70 SNOUT VENT 39	
806		<u>TARICHA</u>	TOTAL 165 SNOUT VENT 70	
807	♀ (1 SCAR)	<u>Sorex TOWNSENDI</u>	118 - 49 - 13 - 9 <sup>(W)</sup>	4.9

AUG. 24

808	♀ (NO EMB'S)	<u>Sorex TOWNSENDI</u>	114 - 51 - 12 - 9 <sup>(W)</sup>	4.8
809	♀ (SCARS)	" "	NASAL CARTILAGE MISSING 116 - 51 - 13 - 9 <sup>(W)</sup>	5.9



A. C. ZIEGLER  
1957

CATALOG

4300 ± ft,  
ELK VALLEY GUANO STA., T14 N, R. 4 E, Sec. 23, DEL Norte Co., CALIF.

AUG. 24 (CONT)

810 ♂ (TES 3x5) EUTAMIAS 238-102-35-21<sup>(N)</sup> 77.6

811 ~~♂~~ (TES 3x5) THOMOMYS MONTICOLA 195-68-24-6<sup>(N)</sup> 63.0

812 ♀ (NO EMB'S) CITELLUS BECHERI DOUGLASSI ~~235~~ 435-190-54-27<sup>(N)</sup> 242.0

813 ♂ (TES 2x4) THOMOMYS MONTICOLA 198-65-26-7<sup>(N)</sup> 86.1

814 ~~♂~~ (TES 2x3) " " 196-69-26-6<sup>(N)</sup> 73.0

815 ♀ (NO EMB'S) " " 173-57-25-6<sup>(N)</sup> 55.7

816 ♂ (TES 6x9 mm) " " 208-69-27-7<sup>(N)</sup> 83.9

817

818 " "

819 " "

820 " "

821 " "

822 " "

823 " "

824 " "

825 " "

826 TARICHA

827 RANA

~~8~~

AUG. 25

828 ♀ (4 new scales) NEOTOMA CINEREA 360-165-39-27<sup>(N)</sup> 224.2

829 ♀ (new scales) MICROTUS 180-63-22-15<sup>(N)</sup> 39.0

830 ♂ (TES 8x13) " 196-71-22-16<sup>(N)</sup> 58.2

831 ♂ (TES 3x5) EUTAMIAS 261-112-36-18<sup>(N)</sup> 75.5





A.C. ZIEGLER  
1957

CATMON

POLOE FLAT, 5000 FT. 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27

AUG. 27

832	<del>PEROMYSCUS</del> <u>PEROMYSCUS</u>	(CAVORUM IN MOUSE TRAP)
833	♂ (TES 1x1 1/2) <u>Sorex PACIFICUS</u>	139-61-17-10 <sup>(N)</sup> 9.6
834	♂ (TES 1x1 1/2) <u>Sorex PAUCIMANS</u>	148-73-20-8 <sup>(N)</sup> 11.0
835	♀ (3-14mm EMB'S 2LT. 1AT.) <u>LETHRIONOMYS OCCIDENTALIS</u>	150-46-19-13 <sup>(N)</sup> 25.2
836	♂ (TES 4x6) <u>Sorex PACIFICUS</u>	135-59-17-9 1/2 <sup>(N)</sup> 14.7
837	♂ (TES 3x6 CAID+) "	142-57-16-9 1/2 <sup>(N)</sup> 14.2
838	♂ (TES 3x6 CAID+?) <u>Zapus PRINCEPS</u>	223-131-32-13 <sup>(N)</sup> 35.0
839	♂ (TES 7x12 CAID+) <u>MICROTUS LONGICAUDUS</u>	182-59-22-14 <sup>(N)</sup> 46.4
840	♂ (TES 7x10 CAID+) "	181-62-22-15 <sup>(N)</sup> 44.8
841	♀ (1AT. 2LT. SCARS) "	185-67-22-15 <sup>(N)</sup> 46.0
842	♀ (3AT. 1LT. GREEN SCAR) "	179-59-21-15 <sup>(N)</sup> 38.3
843	<u>THOMOMYS</u>	[IN POOL BELOW CAMP]
844	♀ (3-20mm EMB'S 5LT. 5AT.) <u>LETHRIONOMYS OCCIDENTALIS</u>	152-49-17-12 <sup>(N)</sup> 29.4
845	♂ (TES 2x4 CAID+) <u>THOMOMYS MONTICOLA</u>	168-48-25-5 <sup>(N)</sup> 59.6
846	♂ (TES 3x6 CAID-) <u>PEROMYSCUS MANTICULATUS?</u>	186-85-22-18 <sup>(N)</sup> 20.5
847	♂ (TES 1x1 1/2 CAID-) "	172-79-20 <sup>+</sup> -18 <sup>(N)</sup> 17.0
848	♀ (3AT. 3LT. SCARS) "	193-92-22-16 <sup>(N)</sup> 26.4
849	♀ (3AT. 2LT. ALD SCARS) "	193-90-20 <sup>+</sup> -14 <sup>(N)</sup> 26.0
850	♂ (TES 4x8 CAID+) <u>Sorex PACIFICUS</u>	TAIL TIP MISSING? 133-51-15 1/2-9 1/2 <sup>(N)</sup> 13.0

AUG. 28, 1957

851	♀ (NO EMB'S) <u>THOMOMYS MONTICOLA</u>	187-58-27-6 <sup>(N)</sup> 69.6
852	♂ (TES 3x6 CAID-) <u>NEOTOMA CINEREA</u>	338-161-40-28 <sup>(N)</sup> 205.5
853	♂ (TES 3x5mm CAID+) <u>MUSTELA ERMINEA</u>	249-65-32-18 <sup>(N)</sup> 74.7
854	♀ (NO EMB'S VAGINAE 0.8) <u>EUTAMIAS AMOENUS?</u>	251-110-37-28 <sup>(N)</sup> 78.5
855	♂ (TES 5x15) <u>APLODONIA</u>	39 (TAIL FROM CARCASS) 304-25-50-21 <sup>(N)</sup> 1120.0
856	1 LOT TAD POLES (BUN FROM 150 FT. OF SAME STREAM)	

11

12

13

14

Aug. 2, 1957

CATALOG

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 28 (CONT.)

- 857 1 LOT METAMORPHOSING FROGS - (BWL FROM 150 FT. at same stream)
- 858 ASCAPHUS
- 859 "
- 860 "
- 861 "
- 862 "
- 863 "
- 864 "
- 865 "
- 866 "
- 867 "
- 868 "
- 869 "
- 870 "
- 871 "

AUG. 29

872 ♀ ASCAPHUS

873 ♂ (TESTES 1/10, 1/10) Sorex TROWBARDI

108 - 48 - 12 - 8<sup>(W)</sup>

4.8

874 ♂ (TESTES 1/10, 1/10) LETHRIONOMYS OCCIDENTALIS

144 - 43 - 18 - 12<sup>(W)</sup>

26.5

875 TRICHA

876 "

877 "

878 "

879 ♀ (2 RT, 2 LT, 100% LACTATING) Sorex PRAECIUS

141 - 54 - 16 - 9<sup>(W)</sup>

17.2

880 ♀ (2 RT, 2 LT, 100% LACTATING) THOMOMYS MONTICOLA

TAIL BROKEN

198 - 69 - 24 - 7<sup>(W)</sup>

69.3





A.C. ZIEGLER  
1957

(ADAMOR)

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

Aug. 30

881	♀ (NO EMB'S NO SCARSSON LACTATING)	<u>Sorex mowbridgeti</u>	108 - 47 - 12 - 8 <sup>(N)</sup>	6.4
882	♂ (TESTES 11 EPIOT)	<u>Microtus longicaudus</u>	191 - 70 - 22 - 15 <sup>(N)</sup>	41.2
883	♂ (TESTES 6x9 EPIOT)	"	190 - 67 - 22 - 15 <sup>(N)</sup>	WT.?
884	♀ (4 RT, 2 LT. SCARS)	"	197 - 66 - 22 - 14 <sup>(N)</sup>	47.9
885	♀ (NO EMB'S)	"	189 - 59 - 21 - 15 <sup>(N)</sup>	42.9

JUPAN RANCH, 3400<sup>+</sup> FT., 3 MI. E MONTGOMERY C.E. P.O., SHARONA CO., CALIF.

AUG. 30

886		<u>THAMNASHIS</u>		TOTAL LENGTH - 702mm SNOUT VENT - 517mm
887		<u>GEORCHONOTUS</u>		TOTAL LENGTH - 167 SNOUT VENT - 87
888		<u>TRICHA</u>		
889		"		
890		"		
891	♀ (NO EMB'S)	<u>ESTERICUS FUSCUS</u>	117 - 47 - 11 - 17 <sup>(N)</sup>	22.0
		SEAT. 1		
892	♂ (TESTES 6x10 EPIOT)	<u>Microtus</u>	177 - 56 - 21 - 14 <sup>(N)</sup>	47.7
893	♀ (2 RT, 2 LT. EMB'S)	"	171 - 55 - 20 - 14 <sup>(N)</sup>	37.3
894	♂ (TESTES 4x6 EPIOT)	<u>PEROMYSCUS MANICULATUS</u>	157 - 75 - 20 - 17 <sup>(N)</sup>	17.7
895	♂ (TESTES 2x3 EPIOT)	"	157 - 71 - 20 - 16 <sup>1/2</sup> <sup>(N)</sup>	12.8
896	♀ (2 RT, 3 LT. SCARS)	"	165 - 73 - 19 - 18 <sup>(N)</sup>	21.1
897	♀ (4 LT, 1 RT, FRESH SCARS)	"	171 - 77 - 20 - 18 <sup>(N)</sup>	20.1
898		<u>GEORCHONOTUS</u>		SNOUT VENT - 98mm
899		"		SNOUT VENT - 98mm
900		"		SNOUT VENT - 85mm TOTAL - 792mm
901		<u>THAMNASHIS</u>		SNOUT VENT - 580mm
902	♀ (NO EMB'S)	<u>LASONYCTERIS NOCTIVAGANS</u>	95 - 38 - 8 <sup>1/2</sup> - 15 <sup>(N)</sup>	10.4



A.C. ZIEGLER  
1957

Castro

SUPAN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY CO., CALIF.

SEPT. 1 (CONT.)

ALCONOMIC	903	♂	THOMOMYS (BOITAE?)	199-71-23-6 $\frac{1}{2}$ (N)	73.5
CAPTIVE	904		SPECIMEN, ESCAPED		
	905	♀ (NO EMB'S)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 199-64-24-8(N)	89.0
	906	♀ (NO EMB'S)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 195-64-25-8 $\frac{1}{2}$ (N)	73.9

SEPT. 2.

ALCONOMIC	907	♂ (TES 4X6 CAPID-)	THOMOMYS (BOITAE?)	EYEBALL DIA - 2 $\frac{1}{2}$ mm 209-75-25-7(N)	108.2
	908	♂ (TES 3X4 CAPID-)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 212-76-25-8(N)	88.4
	909	♂ (TES 3 $\frac{1}{2}$ X 5 mm CAPID-)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 190-69-24-7 $\frac{1}{2}$ (N)	59.7
	910	♂ (TES 6X10 CAPID+)	MICROTUS SPP?	182-66-22-14(N)	41.0
(CAPTIVE) - EATING CARROT IN CAPTIVITY.	911	♂ (TES 3X5 CAPID-)	THOMOMYS (BOITAE?)	EYEBALL DIA 3 mm. (PART MISSING) (EYEBALL DIA 3 mm) 140-5-31-8(N)	62.1

BUTT CREEK, 4300<sup>±</sup> FT., 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3,

912		<u>FROG</u>			
913		<u>BUFO</u>			
914	♀ (NO EMB'S)	MYOMYS THYSANODON		87-36-9-16(N)	5.8
915	♂ (TES 2X3 $\frac{1}{2}$ CAPID-)	ZENAEUS PRINCEPS		203-122-31-14(N)	16.4
916	♂ (TES 7X11 CAPID+)	MICROTUS LONGICAUDUS?		171-45-20-14(N)	46.5
917	♂ (TES 7X11 CAPID+)	" "		178-54-20-14(N)	44.2

SEPT. 4

918	♂ (TES 5X11 mm CAPID?)	Sorex MOWBRIDGEI		115-53-13-7 $\frac{1}{2}$ (N)	4.4
919	♂ (TES 1X2 CAPID?)	Sorex PAULSTREIS		158-77-19-5(N)	13.6
920	♂ (TES 7X12 CAPID-?)	THOMOMYS BOITAE?		EYEBALL DIA - 3 mm 210-67-27-9(N)	103.3
921	♂ (TES 2X4 CAPID-)	PEROMYSCUS MANICULATUS		152-63-17-17(N)	15.8
922	♀ (4 LIT. OLD SCARS)	" "		138-62-18-17(N)	16.1
923	♂ (TES 6X13 CAPID-)	CITELLUS LATERALIS		WASHED IN GASOLINE 263-83-46-2(N)	272.1



A.C. ZIEGLER  
1957

CATALOG

<sup>4300± FT.</sup>  
Burr Creek 8 mi. S Chester, Plumas Co., California

SEPT. 4 (cont.)

924 ♀ (NO EMB'S) CITELLUS LATERALIS

WASHED IN GAROLINE  
267 - 80 - 40 - 23<sup>(N)</sup> 245.5

925 ♀ (12 EMB'S, 10 SCARS) " "

"  
271 - 80 - 39 - 21<sup>(N)</sup> 212.8

926 ♀ (NO EMB'S) " "

"  
251 - 81 - 38 - 21<sup>(N)</sup> 150.4

927 ♂ (TESTES 5x3, EPIDIDYMUS 10x5) CITELLUS BEGLEYI

"  
436 - 182 - 57 - 29<sup>(N)</sup> 600.6

928 ♂ (TESTES 2x4mm, EPIDIDYMUS 10x3) HABIONYCTERIS NOCTIVAGANS

96 - 38 - 9 - 15<sup>(N)</sup> 9.3

929 ♂ (TESTES 1x1, EPIDIDYMUS 10x3) SOLEX VARRANS

105 - 43 - 13½ - 8<sup>(N)</sup> 4.7

930 ♂ (TESTES 1x2, EPIDIDYMUS 10x4) NEURONICHUS GIBBSI

112 - 38 - 16 - 4<sup>(N)</sup> 11.9

931 ♀ (4 RT, 1 LT, 14 EMB'S) MICROTUS MONTANUS

170 - 43 - 20 - 15<sup>(N)</sup> 52.0

932 ♂ (TESTES 6x9, EPIDIDYMUS 10x7) MICROTUS LONGICAUDUS

194 - 74 - 22 - 15<sup>(N)</sup> 47.5

933 ♀ (3 RT, 1 LT, SCARS) " "

173 - 59 - 21 - 14½<sup>(N)</sup> 43.8

934 ♀ (3 RT, 2 LT, SCARS) " "

165 - 56 - 21 - 14<sup>(N)</sup> 32.5

SEPT. 5.

ALCOHOLIC

935 - SOLEX VARRANS

93 - 38 - 12 - 8<sup>(N)</sup> 4.1

936 ♂ (TESTES 1x1, EPIDIDYMUS 10x7) " "

TAIL BROKEN  
97 - 44 - 13 - 7<sup>(N)</sup> 4.0

937 ♂ (TESTES 1x1, EPIDIDYMUS 10x7) " "

92 - 36 - 12 - 7<sup>(N)</sup> 4.2

938 ♀ (3 RT, 4 LT, 0 EMB'S) MICROTUS MONTANUS

162 - 48 - 20 - 14<sup>(N)</sup> 39.9

ALCOHOLIC

939 - CITELLUS LATERALIS

253 - 85 - 37 - 19<sup>(N)</sup> 116.7

CAPTIVE

940 - SPECIMEN ESCAPED  
EUTAMIAS SPECIOSUS (CAPTIVE)

941 ♂ (TESTES 7x12, EPIDIDYMUS 10x14) MICROTUS LONGICAUDUS?

COLL. S.B. BENSON.  
199 - 78 - 22 - 18<sup>(N)</sup> 53.5

KILLED SEPT. 6. (CAPTIVE SEPT. 5)

942 ♀ (3 RT, 2 LT, SCARS) CITELLUS LATERALIS

COLL. S.B. BENSON WASHED IN GAROLINE  
267 - 81 - 39 - 22<sup>(N)</sup> 214.7





A. L. ZIEGLER  
1957

Catalog

STRAWBERRY CANYON, BERKELEY, ALAMEDA Co., CALIF.

COLL: BENJAMIN MENAS  
CAPT. AUG. 9, 1957, DIED AUG. 11, 1957, PUT UP SEPT 21, 1957

943 ♂ (TE 32x4) DIOCEPHALUS

318-132-35-38<sup>(W)</sup> 97.7

TAKEN IN VICINITY OF  
FARROW ISLANDS, SAN FRANCISCO Co., CALIFORNIA.

(PROCESSED AT DEL MONTE FISHING Co., RICHMOND, CALIF.)  
OCT. 31, 1957

\* 944 ♀ (NO EMB'S?) MEGAPTERA NOVAEANGLIAE

T.H. 44 FT.

\* PELVIC BONES, EYES, OVARIES, PIECES OF ORGANS, ETC. ALSO

BRANCOLES & "LICE" FROM SKIN GIVEN #944 ALSO.  
2 PIECES BRANCOLES ONLY - PICKUP

945 ♂ " " (?)

NOMAS'S.

ZANGBEE RANCH, 3.8 MI. W STANBISH, LASSEN Co., CALIF.

NOV. 4.

COLL. DR. SEYMOUR BENSON

(FROM CARCASS)

+ SKELETON

946 ♂ (TE 32x18mm) ERETHIZON DORSATUM

710-225-105-23<sup>(W)</sup> 14<sup>1/2</sup> lbs

LAB ANIMAL

FROM DIABLO ANIMAL LAB, BERKELEY, ALAMEDA Co., CALIF.

NOV. 16.

COLL. RICHARD W. CONNORS.

947 ♂ (TE 12x21) RATTUS NORVEGICUS

430-210-39-21<sup>(W)</sup>

370.0 gm

FURNACE CREEK RANCH, DEATH VALLEY, INYO Co., CALIFORNIA

COLL. NOV. 3, 1957

COLL. M. L. MURIE

Acum  
9445

948 ♂

PEROMYSCUS PEROMYSCUS PEROMYSCUS  
CRINITUS CRINITUS CRINITUS

185-98-21-17<sup>(W)</sup> 17.6 gm

949 ♂

" " "

THILTRONG  
[137-49]-20-18<sup>(W)</sup> 17.9

950 ♀ imm.

" " "

169-89-21-16<sup>(W)</sup> 12.8

951 ♀

" " "

184-102-21-18<sup>(W)</sup> 18.6

952 ♀

" " "

220-124-20-20<sup>(W)</sup> 26.5

FOR NOTES ON 948-952 SEE MARTIN L. MURIE'S

~~W. END END~~

F. END NOTEBOOK



A.C. ZIEGLER  
1957

CATALOG

W END ELK VALLEY, 75<sup>±</sup> FT., MARIN CO., CALIF.

Dec. 28

UPPER CANINE & CHEEK TEETH ONLY

953

954 ♀ (NO EMB'S)	Sorex	VARIANS	VARIANS	95-38-12-8 <sup>(W)</sup>	5.4
955 ♂ (TES 3X5 CPIO?)	"	"	"	103-40-11-8 <sup>(W)</sup>	6.5
956 ♂ (TES 3X5)	"	"	"	102-40-12-8 <sup>(W)</sup>	7.7
SKULL ONLY	NO EMB'S	"	"	100-41-12-8 <sup>(W)</sup>	4.7
957 ♀ (NO EMB'S)	"	"	"	93-35-12-8 <sup>(W)</sup>	5.6
SKULL ONLY	"	"	"	103-40-11-8 <sup>(W)</sup>	5.6
959 ♀ (NO EMB'S)	"	"	"	95-38-11-8 <sup>(W)</sup>	5.7
SKULL ONLY	"	"	"	98-34-12-7 <sup>(W)</sup>	6.7
960 ♂ (TES 2X4)	"	"	"	110-39-12-8 <sup>(W)</sup>	6.9
SKULL ONLY	"	"	"	105-37-12-7 <sup>(W)</sup>	7.4
961 ♂ (TES 3X7)	"	"	"	110-41-12-8 <sup>(W)</sup>	7.5
SKULL ONLY	"	"	"	112-43-12-7 <sup>(W)</sup>	7.6
962 ♂ (TES 3X5)	"	"	"	105-40-12-8 <sup>(W)</sup>	7.7
SKULL ONLY	"	"	"	72-11-12-8 <sup>(W)</sup>	7.8
963 ♂ (TES 4X6)	"	"	"	107-41-12-8 <sup>(W)</sup>	8.0
SKULL ONLY	"	"	"	105-41-12-8 <sup>(W)</sup>	8.0
964 ♂ (TES 4X6)	"	"	"	106-40-12-8 <sup>(W)</sup>	8.0 <sup>±</sup>
SKULL ONLY	"	"	"	103-36-12-8 <sup>(W)</sup>	9.0
965 ♂ (TES 4X6)	"	"	"		
SKULL ONLY	"	"	"		
966 ♂ (TES 4X6)	"	"	"		
SKULL ONLY	"	"	"		
967 ♂ (TES 3X5)	"	"	"		
SKULL ONLY	"	"	"		
968 ♂ (TES 3X5)	"	"	"		
SKULL ONLY	"	"	"		
969 ♂ (TES 4X6)	"	"	"		
SKULL ONLY	"	"	"		
970 ♂ (TES 3X5)	"	"	"		
SKULL ONLY	"	"	"		
971 ♂ (TES 4X6)	"	"	"		

Dec. 29

972 JUV. ENSATINA (125<sup>±</sup> FT.)

973 ♂ (TES 9X12mm CPIO?)	THOMOMYS	BOTTAE MINOR	248-84-29-7 <sup>(W)</sup>	194.3
974 ♀ (NO EMB'S)	NEUROTRICHUS	GIBBSI HYAL...	118-39-16-5 <sup>(W)</sup> (10 <sup>+</sup> FT.)	13.8
SKULL ONLY	"	"	"	"
975 ♀ (NO EMB'S)	Sorex	VARIANS VARIANS	98-43-12-7 <sup>(W)</sup>	5.1
SKULL ONLY	"	"	"	"
976 ♀ (TES 2X4)	"	"	101-41-12-8 <sup>(W)</sup>	6.4
SKULL ONLY	"	"	"	"
977 ♂ (TES 3X4)	"	"	109-43-12-8 <sup>(W)</sup>	6.9



A.C. ZIEGLER  
1957

CATALOG

WENO ENK VALLEY, 75<sup>±</sup> FT., MARIN CO., CALIF.

DEC. 29 (CONT.)

SKULL ONLY 978 ♂ (YES 4x5mm)	<del>Sorex</del>	<u>VAGRANS VAGRANS</u> 106 - 40 - 12 - 7 <sup>(N)</sup>	7.3
SKULL ONLY 979 ♀ (NO EMB'S)	"	<u>TROUSARIDGEI MONTE</u> 21 - 50 - 13 - 9 <sup>(N)</sup>	7.8
SKULL ONLY 980 ♂ (YES 4x5)	"	<u>VAGRANS VAGRANS</u> 111 - 40 - 12 <sup>1</sup> / <sub>2</sub> - 8 <sup>(N)</sup>	8.1

4.5 MI. E, 6.5 MI. S SAN BENITO, SAN BENITO CO., CALIF.

DEC. 30, 1957

COLL WM. Z. LIOCHKE

981 ♀ (2 ET. 2 LT.  
12mm  
EMB'S) PEROMYSCUS MANICULATUS 152-67-18-17<sup>(N)</sup> 22.5mm

ENO 1957 CATALOG



Ziegler, A. C.

Aug.-Dec. 1957

Journal





A.C. ZIEGLER  
1957

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GUALALA, MENDOCINO Co., CALIFORNIA

AUG 19 LEFT BOSTON ABOUT 2:23 PM & ARRIVED GUALALA TOWARDS TWILIGHT. GOT STUCK IN MUDHOLE JUST ACROSS GUALALA RIVER ON SONOMA Co. SIDE & SPENT NIGHT WITHOUT SETTING TRAPS.

AUG 20 GOT OUT OF MUDHOLE & LEFT ABOUT 11 AM. SAW PAIR OF PIGCEPES WARRIORS PARTING AROUND IN BRUSH AT MUDHOLE. DROVE WEST TO EUREKA, HUMBOLDT Co., WHERE WE HAD A FLAT & CAMPED ON EEL RIVER NEAR POPEWOOD ON HIGHWAY 101.

(AUG 21) SET OUT 34 <sup>SHERMAN</sup> <sup>HOLES</sup> LIVE TRAPS BUT GOT ONLY 2 PEROMYSCUS IN BRUSH & DRIFTWOOD 100 YDS FROM RIVER — RELEASED THEM.

BARK SHAWY CAMP, <sup>3700 FT.</sup> T. 12N, R. 5E, Sec. 13, SISKIYOU Co., CALIF.

AUG 21 GOT HERE ABOUT 6 PM & SET UP CAMP. SET OUT 50 MUS. SPEC'S IN SMALL MOIST GULLY BESIDE SMALL STREAM AND ON DRY HILLSIDE OF CONIFERS. ALSO 3 RAT TRAPS ON DRY HILLSIDE. 34 SHERMAN LIVE TRAPS UP ANOTHER DRY HILLSIDE ALONG WITH 3 MORE RAT TRAPS. 1 MORE RAT TRAP IN CAMP. BY 10:30 AM ON AUG. 21 HAD CAUGHT 4 PEROMYSCUS & 1 CHATHAMOMYS IN THE WET GROUND ALONG STREAM. LIVE TRAPS NOT CHECKED THIS NIGHT. DR. BENSON SHOT A SCREECH OWL IN CAMP ABOUT 9:00 PM.



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GUALALA, MENDOCINO CO., CALIF.

AUG. 20  
(CONT.)



TRUCK IN MUDHOLE ON SONOMA CO. SIDE OF  
GUALALA RIVER. DR. BENSON (IN PHOTO)  
TRAPPED SARON BENOIREI IN WGT UNDERBRUSH  
ON OPPOSITE SIDE OF TRUCK LAST SUMMER.  
LOGGING OPERATIONS HAD TORN UP AREA.  
WE DO NOT REAP THIS AREA. ROAD LEADS (TO  
RIGHT) DOWN TO CAMPING SPOT ON GUALALA  
RIVER. HIGHWAY 1 JUST BEHIND TREES ON OPPOSITE  
SIDE OF TRUCK.



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BASH SHANTY CAMP, <sup>3700± FT.</sup> T 12 N, R. 5 E, Sec. 13, Siskiyou Co., ~~Calif.~~

AUG 21 (CONT.) DRIVING IN THIS AFTERNOON FROM ORLEANS  
(HUMBOLDT CO ON HIGHWAY 96)  
THANKS TO ASST. RANGER BILL (or BOB?)

LANCASTER AT RANGER STATION AT ORLEANS.

SAW 2 or 3 CHIMUNKS ON ROAD, ~~AND~~ BEVERUS  
GRISCONS WHICH DA BENSON SHOT + 2 or 3

SCIURUS DOUGLASSI WHICH WERE SHOT AT,

BUT ESCAPED. SAW FRICKER + JUNCO ON

ROAD DRIVING IN. LOCALITY IS SHOWN

ON U.S. DEPT. AGRIC.; FOREST SERVICE MAP

ORLEANS DISTRICT; SIX RIVERS NATL. FOREST

CALIFORNIA REGION 1955 OBTAINED AT

ORLEANS'S RANGER STATION. DO NOT HAVE

RECORD OF MY LAST SPECIMEN NUMBER

BUT THINK IT IS CLOSE TO 790 SO WILL

START WITH THAT NUMBER ON THESE SPECIMENS

DISCARDING NUMBERS WHICH I MAY HAVE

SKIPPED OR MAKING ANY DUPLICATED NUMBERS

WITH SUFFIX "A" AND "B".

NOTE SEPT. 7, 1957 LAST # WAS 788  
SO ONLY # 789 HAD TO BE DISCARDED  
A.C. ZIEGLER

AUG. 22. CAUGHT NOTHING MORE IN MY 50 MUS SPEC'S

IN MARSHY GROUND AND ON DRY HILLSIDE. NOTHING

IN 6 RAT TRAPS ON DRY HILLSIDES. 3 PEROMYSCUS

+ 1 CHETHAIONOMYS IN LIVE TRAPS TWO. TURNED LOOSE

1 HALF-WAY YOUNG PEROMYSCUS + PUT IN OTHER MICE.

AT ABOUT 10:30 AM RAN ALL TRAPS + FOUND ONLY

A EUTAMIAS IN LIVE TRAP. AT 3:30 PM HAD CAUGHT

A YOUNG EUTAMIAS IN MUS SPEC IN THE FOOT-WIDE

STREAM BED AND A SCIURUS DOUGLASSI IN RAT TRAP



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TOWNIAN  
~~CAMP~~

AUG. 22  
(CONT.)

BACK SHANTY CAMP, <sup>3700<sup>+</sup> FT.</sup> T. 12N, R. 5E, SEC. 13, Siskiyou Co., CALIF.  
IN THE LIVE TRAP LINE. WILL RELEASE THE  
YOUNG EUTAMIAS CAUGHT IN MUS. SPEC. AS  
HE IS STILL ALIVE. SAW STEELERS TAYLOR  
WOODPECKER AROUND CAMP. HEARD CHICKADEE (?)  
AND A DOWNY WOODPECKER. DR. BENSON  
IDENTIFIED SOME PLANTS AROUND CAMP. THE  
PRINCIPAL TREES ARE DOUGLAS FIR 3-4 FT.  
IN DIA + 80-100 FT TALL. WITH A FEW YEW  
+ INSENSE CEDARS AND WHAT MAY BE SUGAR  
PINES. GROUND COVER IS MOSTLY 3 FT HIGH  
SHRUBS — SANDER OAK (?) BAY, BLACKBERRIES  
A FEW FERNS IN WET SPOTS, SOME SORT  
OF CRICAN (HUCKLEBERRY??) AND SOME HERBS  
(KHAMATH WOOD?, SOME LILIAEID, ETC.). THERE  
ARE A FAIR NUMBER OF FALLEN LOGS ON  
HILLSIDES. DR. BENSON FOUND WHAT HE IDENTIFIED  
AS BEAR DRIPPING ALONG ROAD INTO CAMP.  
SOME MOUSE, ABOUT PEROMYSCUS SIZE FROM ITS  
DRIPPINGS GOT INTO 2 OF MY LIVE TRAPS, ATE  
BAIT + MANAGED TO PULL OPEN DOOR & GET OUT  
AGAIN. RAN LIVE TRAPS, <sup>AT 6:30 AM.</sup> + GOT AN ADULT EUTAMIAS  
ON DRY HILLSIDE AT BASE OF DOUGLAS FIR IN  
RAT TRAP. SKULL BROKEN SO DISCARDED. CAUGHT  
A GEOPHOMOTUS ON THE SAME HILLSIDE AT 6:40 PM  
RUNNING THRU UNDERBRUSH ON GROUND. HAVE SET-  
OUT 50 MORE MUS SPEC'S  $\frac{1}{4}$  MILE UP ROAD  
FROM CAMP. IN THICKETS OF DOUGWOOD + 3 FT HIGH





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BACK SHAWNY CAMP <sup>3700<sup>+</sup> FT.</sup> T. 12N, R. 5E, SEC. 13, Siskiyou Co., Calif.

AUG 22  
(CONT.)

OAK BUSHES AND ALSO AMONG LOG~~S~~ EDGES.  
SET OUT 10 SCHYLOOS BAITED WITH PRUNES  
& PIECES OF SQUIRREL MEAT BETWEEN FIR  
TREES & IN GULLY BEHIND CAMP AT TWILIGHT.  
RAN ~~THE~~ TRAPS IN WET GULLY & LIVE TRAPS.  
HAD 1 PEROMYSCUS IN SNARE TRAPS & A EUTAMIAS  
& A PEROMYSCUS IN LIVE TRAPS. ~~LATER~~ NEITHER  
PEROMYSCUS PUT UP. CAUGHT A RANA BESIDE CREEK  
2 OR 3 OTHERS SEEN THERE ALSO. DR BENSON  
TELLS ME HIS SCREECH OWL'S STOMACH WAS  
FULL OF GRASS Hoppers OF SOME SORT WHICH  
ARE SEEN AT NIGHT AROUND THE TRAPS &  
IN THE WET GULLY. THE OWL WAS ON GROUND  
WHEN FIRST SEEN. HEARD A SCREECH OWL THIS  
PM AT 10:15 BEHIND CAMP.

AUG 23 RAN & PICKED UP AM TRAPS THIS AM AT 7:30  
OR 8:00. GOT NOTHING IN 10 SCHYLOOS ~~AM~~ 50  
MUS SPEC'S & 3 RAT TRAPS IN WET GULLY.  
IN THE 50 LIVE TRAPS & 3 RAT TRAPS GOT  
1 EUTAMIAS, 2 PEROMYSCUS & 1 CLITHRONOMYS.  
IN 50 MUS SPEC'S ON THE ROAD IN DOGWOOD  
& SCRUB OAK GOT 1 SOEY NEOWBRIDGE (?) TRAIL  
& 3 PEROMYSCUS. PACKED & LEFT AT ABOUT  
2:30 PM. SAW 2 CANADA JAYS NEAR CAMP  
AT 10:30 THIS AM. ALSO EARLIER IN AM  
SAW RED-BREASTED NUTHATCH. DR BENSON  
CAUGHT TUMBLE WREBLER IN TRAP.



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BARK SHANTY CAMP, <sup>3700<sup>±</sup> FT.</sup> T. 12N, R. 5E, Sec. 13, Siskiyou Co. OR.

AND

AUG. 21-26 ELK VALLEY GUANO STA. <sup>4300<sup>±</sup> FT.</sup> T. 14N, R. 4E, Sec. 23, Del Norte Co. OR.

SEE ALSO U.S.G.S. TOPO PRESTON PEAK, 1922

ELEVATION FROM THIS MAP.

AND U.S.G.S. TOPO ORLEANS, 1952.

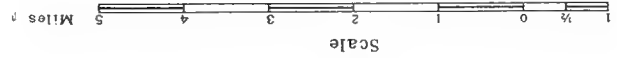
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1957

Journal

R. 4E  
(GASQUET DIST.)

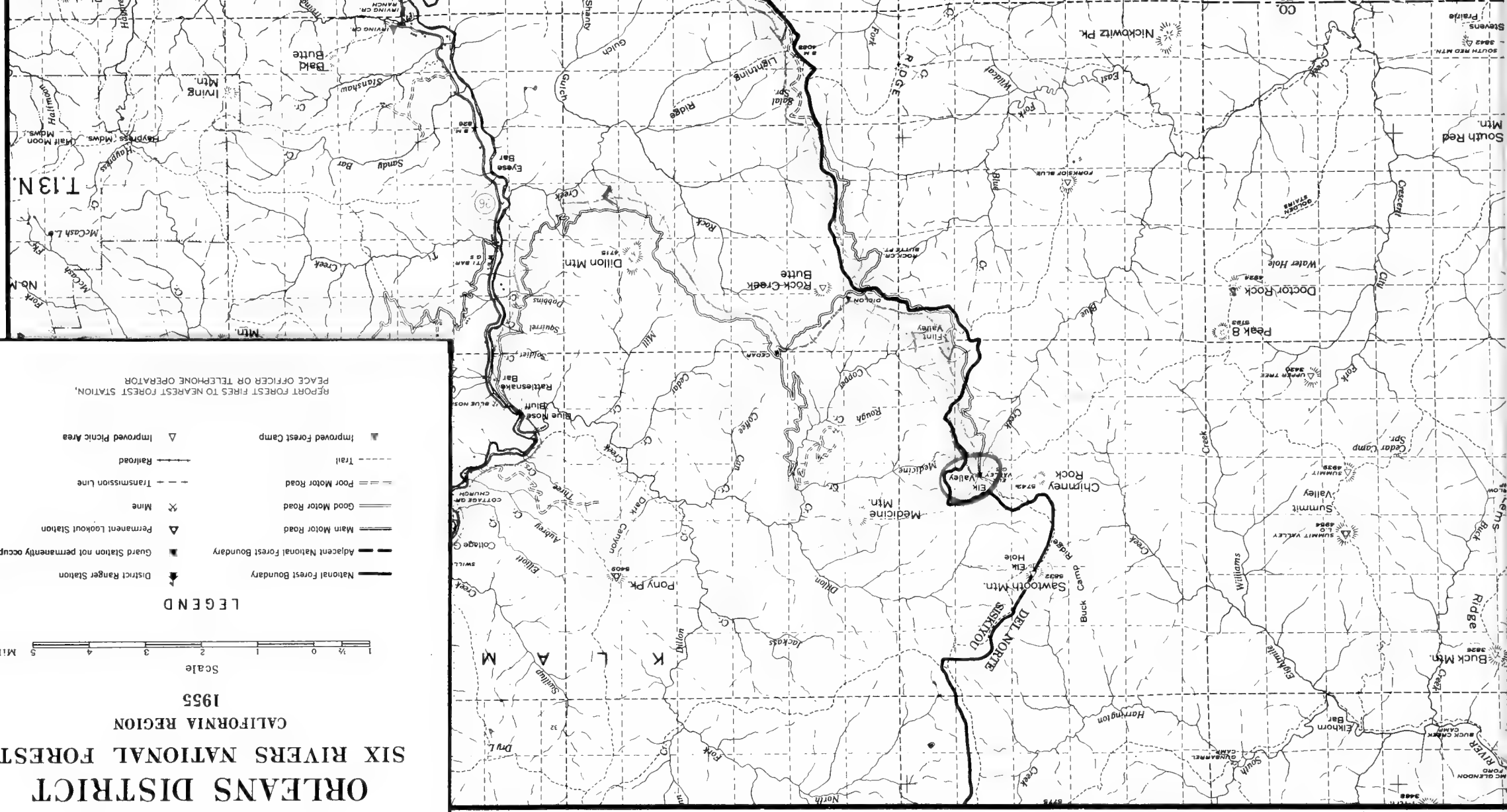
R. 5E

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
**ORLEANS DISTRICT**  
**SIX RIVERS NATIONAL FOREST**  
CALIFORNIA REGION  
1955



LEGEND

- National Forest Boundary
- Adjacent National Forest Boundary
- Guard Station not permanently occupied
- District Ranger Station
- Main Motor Road
- Good Motor Road
- Poor Motor Road
- Trail
- Improved Forest Camp
- Mine
- Transmission Line
- Railroad
- Improved Picnic Area
- REPORT FOREST FIRES TO NEAREST FOREST STATION,  
PEACE OFFICER OR TELEPHONE OPERATOR







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ELK VALLEY GUARD STA. <sup>4300 ± FT.</sup>  
T. 14 N, R. 4 E, SEC. 23, DEL Norte Co., CALIFORNIA

AUG. 23 ARRIVES ABOUT 6:00 PM + SET UP CAMP. GOT ~~LAMBERT~~  
METAMORPHOSING(?) SAMAMANOE IN 4 INCH DEEP STREAM  
BESIDE CAMP, WHICH IS APPARENTLY BLUE CREEK  
FROM SIGN ON BRIDGE. STREAM IS VERY SLOW  
FLOWING. ELK VALLEY HAS A MEADOW ABOUT 1500 OR  
200 YDS LONG + 100 YDS. WIDE SURROUNDED WITH  
80-100 FT. TALL FIRS OF SOME SORT + RED(?) CEDARS.  
THERE IS AN OLD FIRE GUARD CABIN IN THE  
MEADOW - APPARENTLY CLOSED FOR YEARS. THE  
BED OF BLUE CREEK PASSES THRU MEADOW BUT IS  
DRY THIS TIME OF YEAR APPARENTLY. AT EDGE  
OF MEADOW CREEK HAS WATER AS MENTIONED  
ABOVE + FLOW ~~ED~~ UNDER A BRIDGE NEARBY +  
DOWN A FLATTISH ROCKY BED. MEADOW IS  
DRY WITH SOME SPARSE GRASS IN MOST SPOTS  
BUT ~~WITH~~ RATHER THICKISH GRASS IN OTHERS.  
THERE ARE A FEW CLUMPS OF WILLOWS IN  
SPOTS THERE ALSO. WE MET A LUMBER CO.  
OWNER - MR. LAMBERT OF LAMBERT LUMBER CO.,  
WHO WAS AT THE MOMENT PROSPECTING FOR  
CHROME ORE WHICH HE SAYS CAN BE TOLD BY  
ITS BROWN "SNEAK". HE BUNNDOSES INTO SPOTS  
WE ARE THEN PICKS ~~THEM~~ <sup>THE ARE UP</sup> TO SEE - HE  
GAVE SOME INFO ABOUT ANIMALS. DID NOT  
KNOW CITELLUS LATERALIS OR PEROMYSCUS  
LONGICAUDUS BUT DID KNOW FLYING SQUIRRELS.  
DID NOT THINK MARMOTS OCCURRED HERE.  
HE SAID BEARS, DEER + 1 ELK WERE IN AREA.





Journal

4300<sup>+</sup> ft.  
Emil Vanney Guard Sta., T. 14N, R. 4E, Sec. 23, Deer North Co., Calif.

AUG 24 RAN TRAPS THIS AM. IN LIVE TRAPS GOT 4 OR 5 PEROMYSCUS MANICULATUS, & 1 Sorex THROWBROOKI. IN MUS. SPEC'S. GOT 4 OR 5 PEROMYSCUS MANICULATUS, 1 MICROTUS (DISCARDED - SKULL BROKEN) & 1 Sorex THROWBROOKI BONY EATEN ON THE SNOUT, AND 1 EUTOMIAS (SKULL BROKEN). SET OUT 11 ~~GENERAL~~ TRAPS IN 5 SETS IN MEADOW. SET 10 SCHYVUNGERS ON LOGS AND ALONG TOP OF CREEK BANK. GOT A CITELLUS BEENEYI ADULT BESIDE A RUBUS (PAVIFLORUS?) BUSH. RAN ALL TRAPS DURING DAY FROM 10:AM ON & GOT 1 PEROMYSCUS MANICULATUS IN A LIVE TRAP & 1 IN A MUS. SPEC BETWEEN 8:00 & 10:00 AM. ALSO A COUPLE MORE EUTOMIAS WITH BROKEN SKULLS. ~~5~~ ~~THOMOMYS~~ THOMOMYS MANICULATUS ~~AND~~ ~~MADEBBE~~ ~~TRAPS~~, FOUND A RANA MOOREA



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AUG. 24  
(CONT.)

4300<sup>±</sup> ft.  
Elk Vannoy Guard Sta., T. 14N, R. 4E, Sec. 23, DeWette Co., Calif.

ROCK IN CREEK & 8 or 9 more GILDED SALAMANDERS UNDER ROCKS IN STREAM OR SITTING IN ASH ON CREEK BOTTOM. GOT A FRICHA SWIMMING IN POOL IN CREEK BELOW BRIDGE. DR. B. SHOT ANOTHER BAT (LASIURUS)<sup>THIS AM.</sup>

AUG. 25 RAN ALL TRAPS TWICE BEFORE NOON. GOT Neotoma alvina IN SCHUYLER. 2 MICROTUS — 1 IN WET BUSHY SPOT ALONG STREAM & 1 IN AVENUE IN MEADOW WITH WILLOWS. 2 EUTAMIAS IN RAT TRAPS ON LOG ON DRY HILLSIDE & 1 IN MUS SPTR BESIDE POOL. (2 OF THESE WERE DISCARDED.) <sup>SAW A THAMNOMYS ON ROCKS IN STREAM TODAY.</sup> PUT UP SPECIMENS, SHIFTED GARDEN TRAPS AROUND TO NEW SPOTS — SOME ON WOODS SHORE IN GRASSY SPOTS — BUT GOT NO MORE THAMNOMYS PACKED & LEFT AT 3 P.M. ABOUT NOON OR 1:00 P.M. 2 FELLOWS CAME IN A PICK-UP TRUCK & WERE APPARENTLY LOOKING OVER THE CHROME ORE SITUATION ALSO. DRIVING OUT DR. B. SHOT A YOUNG CITELLUS LATERANIS & SHOT AT ANOTHER NEAR A ~~SPOT~~ CANIBO SERPENTINE BAR 3 or 4 MILES FROM OUR CAMP. HE ALSO SHOT A SOOTH GOOSE ON THE ROAD. WE HAD A YOUNG ONE FOR SUPPER LAST P.M. DR. B. SHOT HAS SEEN JUNCOS, A BROWN CREEPER, HEARD ROBIN, NUTHATCH. LAST P.M. AT TWILIGHT SAW A LARGE OWL WAY UP FLYING ALONG & COULD JUST SEE



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AUG. 25  
(CONT.)

ELK VALLEY GUARD STA., 4300<sup>±</sup> FT., T. 14N, R. 4E, SEC. 23,  
Deer Valley Co., ORID. F.



MEADOW AT GUARD STATION (FAR LEFT) LOOKING  
NE FROM OUR CAMP. A FEW MICROTUS SEEN  
IN GRASS IN CLOSE FOREGROUND, GOPHERS IN  
CENTER LEFT OF PHOTO. BATS SHOT OVER THIS  
CLEARING. DRY STREAMBED IN RIGHT CENTER  
OF PHOTO.



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ELK VALLEY GUARD STATION, <sup>4300 FT.</sup> T. 14 N., R. 4 E., Sec. 23, De Norte Co., Calif.

AUG. 25  
(CONT.)

A SMANNER BIRD CHASING IT - IT SEEMS odd  
THAT THE SMANNER BIRD - WHATEVER IT WAS -  
WOULD BE CHASING THE OWL THIS LATE IN THE  
DAY AS IT WAS ALMOST DARK. I SAW ~~4~~  
OR SO SOOTY GROUSE IN CROOK BUSH, DR. B.  
SAW FLOCK OF YOUNG + ADULT MT. QUAIN IN  
WILLOWS IN MEADOW. HE SAW WHAT HE THOT  
WERE ARLOSONTIA BURROWS BEYOND OUR MEADOW.  
PHOTO OF MEADOW LOOKING NE TODAY, <sup>2</sup> SCURUS ARISUS  
JCT. 4-MILE CREEK + CLEAR CREEK, <sup>1400 FT.</sup> T. 15 N., R. 6 E., Sec. 4, De Norte Co., Calif.

AUG. 25  
(CONT.)

LOOKING FOR A LOCALITY OF JOHNSON + PRIMER  
1935 MICE COLLECTING LOCALITY ON CLEAR CREEK.  
COULD NOT SEEM TO FIND A ROAD TO LOCALITY.  
WERE CAMPED ON 4-MILE CREEK ABOUT  
200-300 FT. FROM ITS JUNCTION WITH CLEAR CREEK.  
SET ABOUT 50 MICE TRAPS UP THE  
SIDES + BANKS BESIDE 4-MILE CREEK FOR  
NEOTOMICHUS + SOOTY PALMER AT 7:30 PM  
TODAY.

AUG. 26 RAN THE 50 TRAPS + GOT ONLY 3 PEROMYSCUS  
MANICULATUS, 2 OTHER MICE SPRUNG. DR. BENSON  
SET AN HIGHER ORDER GRABBER ~~AWAY~~ AWAY FROM  
THE STREAM + GOT 2 PEROMYSCUS MANICULATUS,  
7± P. BOYLEI, + 3± P. NEVEI. WILL NOT SAVE  
ANY OF THESE MICE I CAUGHT ~~TODAY~~ <sup>NEVEI</sup>. BROKE  
CAMP + LEFT AT ABOUT 10:30 AM. COUNTRY HERE VERY  
HILLY WITH FIR + OLDS. HEARD CHICKADEES.





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1400<sup>+</sup> FT., T. 15N, R. 6E, Sec. 2

Jct. 4-MILE CREEK & CHERRY CREEK, SISKIYOU Co., CALIF.

AND

AUG. 26-31

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU Co.,  
CALIF.

SEE ALSO U.S.G.S. TOPO'S SEIAD, CALIF., 1922  
AND PRESTON PEAK, 1922

ELEVATIONS TAKEN FROM THESE MAPS.

A.C. Zeller  
1957

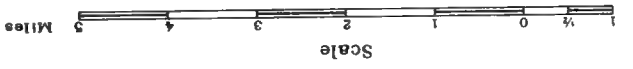
TOULAH

RSE  
CO.

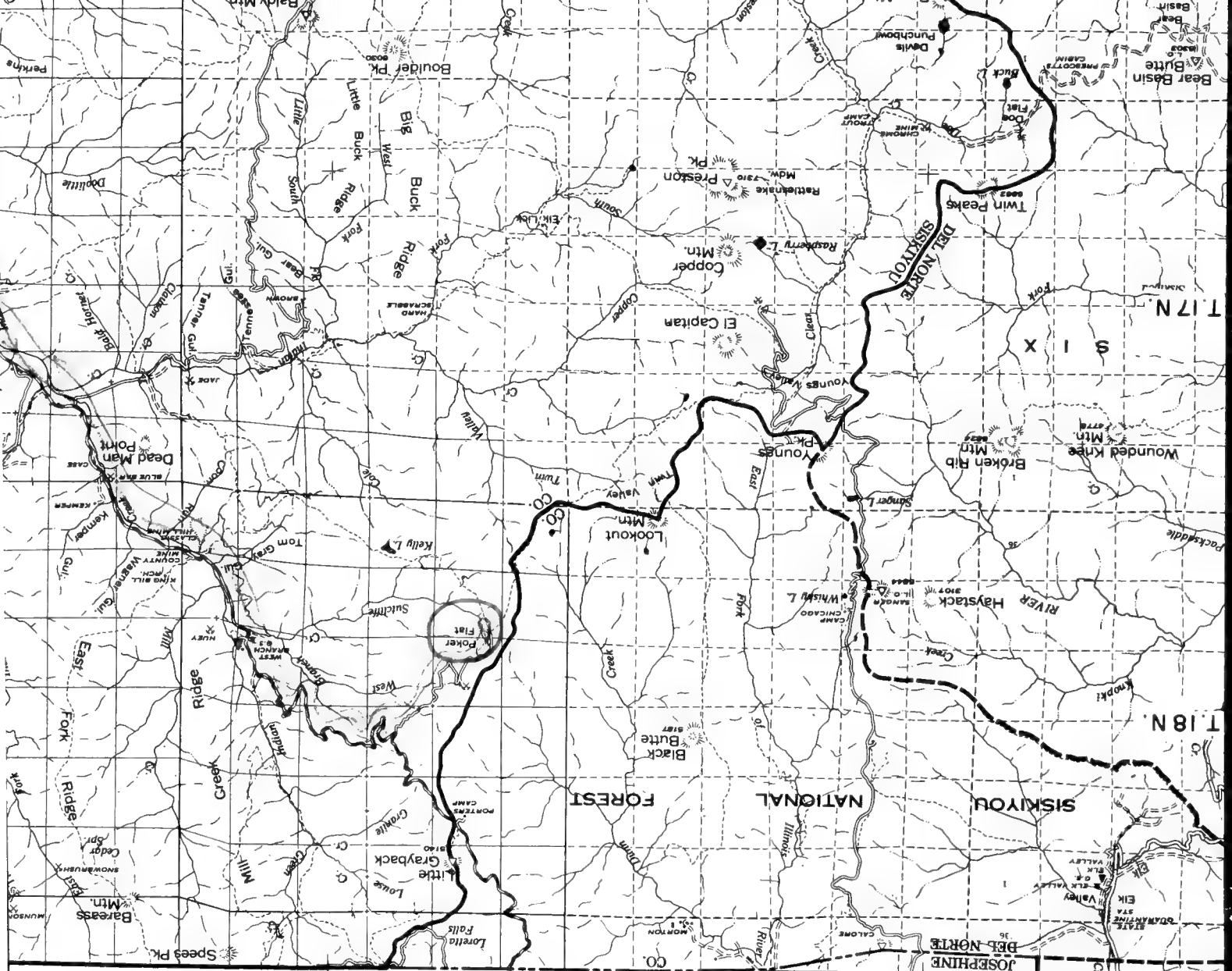
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U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
**HAPPY CAMP DISTRICT**  
**KLAMATH NATIONAL FOREST**  
CALIFORNIA REGION  
1955



- LEGEND**
- National Forest Boundary
  - Adjacent National Forest Boundary
  - Guard Station not permanently occupied
  - District Ranger Station
  - Main Motor Road
  - Good Motor Road
  - Poor Motor Road
  - Trail
  - Improved Forest Camp
  - Mine
  - Permanent Lookout Station
  - Transmission Line
  - Railroad
  - Improved Picnic Area
  - REPORT FOREST FIRES TO NEAREST FOREST STATION,  
PEACE OFFICER OR TELEPHONE OPERATOR.



A.C. 2-6-57  
1957

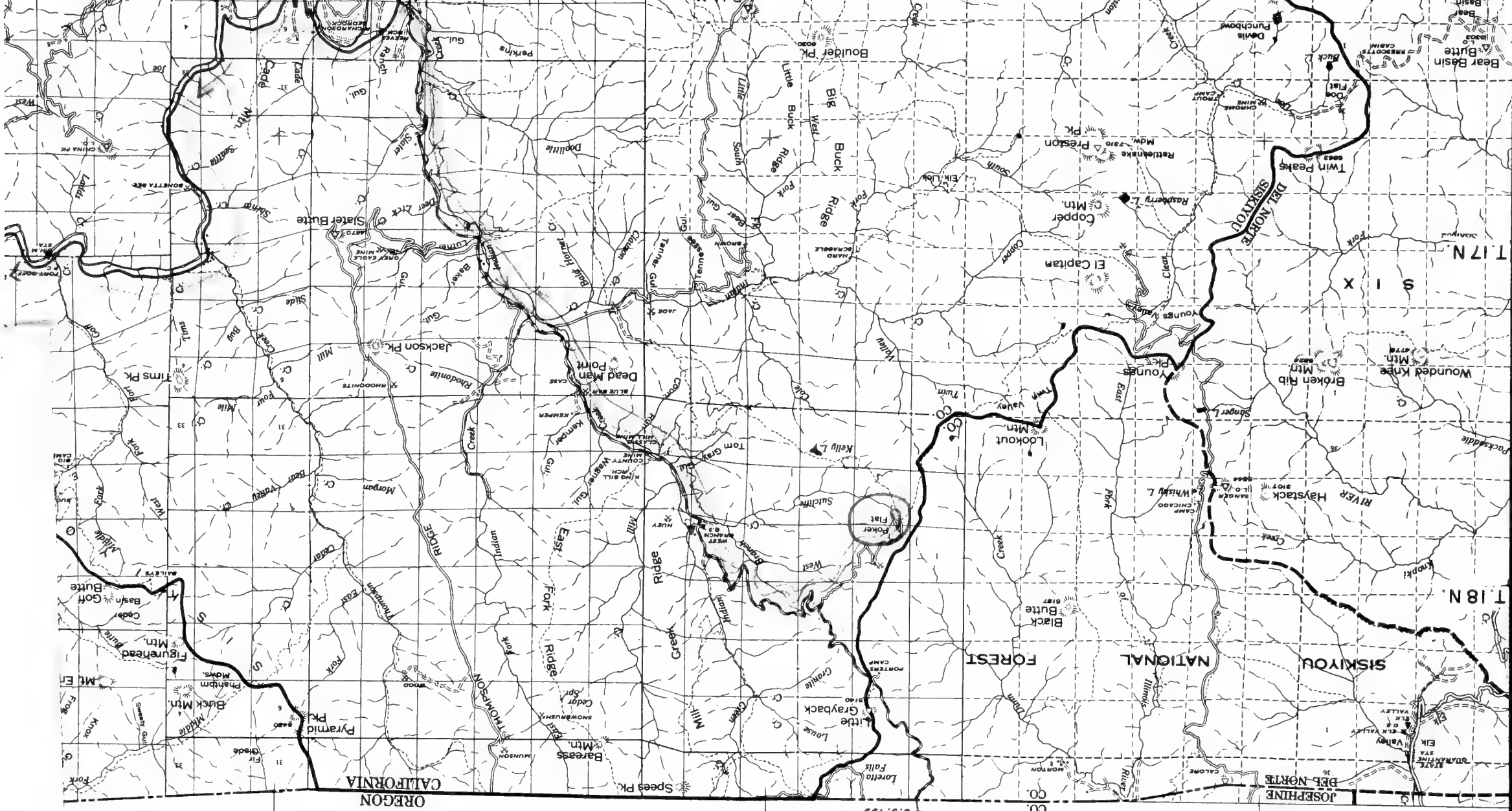
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1957

## JOURNAL

Aug. 26  
(CONT.)

Loc. 4-MILE CREEK + <sup>1400 ft.</sup> CUGAR CREEK, T. 15N, R. 6E, Sec. 2 S. S. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

2 PILGEATED WOODPECKERS + SAW 4<sup>+</sup> MT. QUARRY  
LOCALITY IS REACHED BY GOING NE ON HIGHWAY  
1.2 MI. PAST TOWN AT CUGAR CREEK (POST OFFICE, POSTAGE)  
AND TURNING LEFT ONTO DIRT ROAD MARKED  
KLANSON NASH FOREST; CUGAR CREEK ~~FOREST~~  
FOLLOW THIS DIRT ROAD 5.2 MI. UNTIL A  
BRIDGE MARKED 4-MILE CREEK IS REACHED  
CAMPSIDE IS JUST TO LEFT OF ROAD AT  
CLOSE END OF BRIDGE. HAS AN OLD LANDING  
+ REMAINS OF A CABIN FLOOR - OTHERWISE  
UNIMPROVED. WE DROVE ON DOWN ROAD  
FOR 2 OR 3 MILE PAST OUR CAMPING SPOT  
BUT COUNTRY LOOKED JUST ABOUT THE SAME.

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

Aug. 26  
(CONT.)

ARRIVED ABOUT 500 PM + SET UP CAMP. POKER FLAT  
IS A MEADOW ABOUT A QUARTER OF A MILE LONG  
+ 200 OR 300 YARDS WIDE WITH A STREAM RUNNING  
OUT OF ITS SE END. THE STREAM IS ONLY A FOOT  
WIDE + A COUPLE OF INCHES DEEP + AT THIS  
TIME OF YEAR APPARENTLY FLOWS THRU ONLY THE  
FURTHEST SE CORNER OF MEADOW. HALF A DOZEN  
COWS ARE GRABING HERE. IN FLAT IS APPARENTLY  
10 INCHES HIGH OR SO AND ALSO SOME 4-FOOT HIGH  
WINDROW THICKETS THRU WHICH THE STREAM MUST  
FLOW WHEN THERE IS SURFACE WATER COMING DOWN  
FROM SLOPES ON W SIDE. IN THE NOW SHOWING



F. C. ZIEGLER  
1957

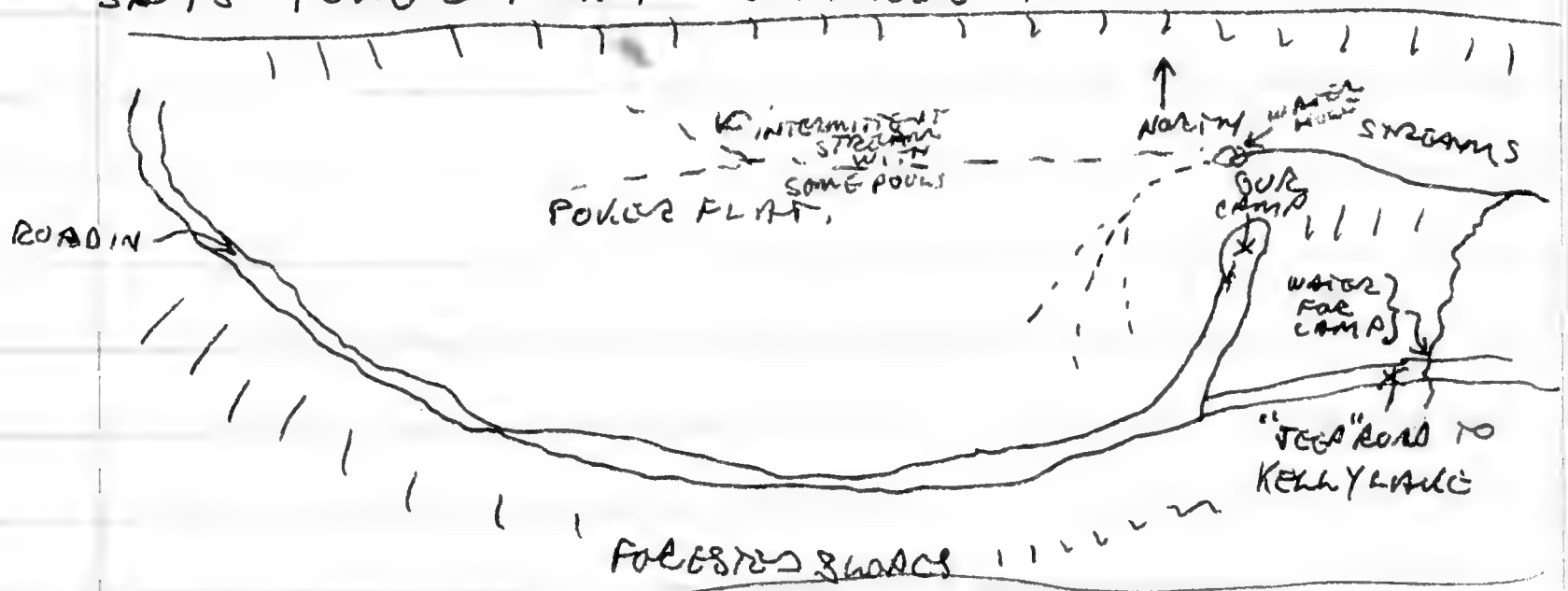
## JOURNAL

AUG. 26  
(CONT.)

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

DAMP GROUND AROUND THE WILLOW THICKETS GROWS A FOOT-TO FOOT-A-HALF-HIGH SCOOB OR ~~FLUTE~~ PUSN. COVERING THE GROUND FAIRLY THICKLY IN SOME PLACES. SURROUNDING THE MEADOW (EXCEPT WHERE THE SMALL STREAM EXITS) ARE TANK FIRS + SOME OAKS MAKING THE SLOPES PARTLY SHADDED BUT WITH NOT TOO MUCH UNDERGROWTH.

APPARENTLY IMMEDIATE AREA HAS NOT BEEN LOGGED RECENTLY IF EVER, BUT LOGGING IS BEING CARRIED ON ABOUT A HALF MILE AWAY NEAR THE ROAD ENTRANCE TO THE FLAT. FLAT IS REACHED BY TAKING ROAD OUT OF HAPPY CAMP, SISKIYOU CO., CALIF. OR INDIAN CREEK AND TURNING OFF 16.5 MILES FROM HAPPY CAMP TO THE RIGHT WHERE A ROAD FOREST SIGN SAYS "POKER FLAT 3 MILES".



WE ARE CAMPED ON A FLAT + WATER IS NEAR BUT DOWN SLOPE 50 YARDS SO WE HAULED WATER FROM



...and the other is the fact that the ...

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1957

JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 26  
(CONT.)

ANOTHER SMALL SWIFT STREAM CROSSING THE  
KERRY ROAD JUST A QUARTER MILE FROM  
CAMP SITE. NO HARBING BUT PICNIC TABLES.  
SET 50 MUS. SPEC'S ~~ALONG~~ STREAM BELOW  
CAMP IN GRASS, UNDER SMALL OVERHANGING  
BANKS & UNDER LOGS THERE. SET 34 LIVE  
TRAPS LEADING DOWN SLOPE & ALONG  
THE "DRINKING WATER" STREAM CHASE TO  
WHERE IT ENTERS THE POKER FLAT STREAM  
ALSO 6 RAT TRAPS ALONG STREAM  
BANKS ON LOGS & IN WADERS. ALSO SET  
MUS. SPEC'S & 1 RAT TRAP.  
50 ~~TRAPS~~ IN CIRCLES OUT INTO MEADOW GRASS  
& THRU WILLOWS NEAR OUR CAMP. Gopher  
WORKING SEEN IN MEADOW & ~~ON~~ ON  
BARS OF FORGOTTEN SHOES. SO SET 10 MAREAGE  
TRAPS IN 5 SETS NEAR OUR CAMP. SOME  
OTHER CAMPERS DROVE IN AT DAWN & TOOK  
APPARENTLY THE ONLY OTHER CAMPING SPOT  
ON THE FLAT. DR. BENSON IDENTIFIED A  
GOSHAWK FLYING & SAYING FAR SHORE,  
DISTANCES NEAR THE WOODS. HE LOOKED FOR  
BATS FLYING OVER MEADOW AT DUSK BUT SAW  
NONE. LOCATION IS SHOWN ON U.S. D. A. FOREST  
SERVICE MAP. HAPPY CAMP DISTRICT, KLAMATH NATL. FOREST,  
1955. MOST OF TRAPPING WAS DONE IN SEC. 28, T. 18 N, R. 6 E.

AUG. 27

RAN TRAPS AT 8:00 AM GOT 1 GOSHAWK, &  
MAREAGES, SEVERAL PEROMYSCUS SP? AND A



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JOURNAL

POKER FLATS 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 CLATHRIONOMYS OCCIDENTALIS IN LIVE TRAPS ON HILL-  
SIDE ALSO 2 OR 3 PEROMYSCUS + 1 Sorex PALUSTRIS  
IN <sup>LIVE</sup> TRAPS ALONG STREAM. IN MUS SPEC'S + RAT  
TRAPS ALONG STREAM GOT MORE PEROMYSCUS,  
MICROTUS + Zapus. IN MUS SPEC'S IN  
MEADOW AROUND WILLOWS + IN SEDGE GOT  
1 Sorex PACIFICUS, SEVERAL MORE PEROMYSCUS  
+ MICROTUS. SEVERAL TRAPS IN MEADOW  
SPRUNG ALSO. A LIGHT FROST IN STREAM  
BED + MEADOW THIS AM. TOTAL CATCH:  
1 Sorex PACIFICUS, 1 Sorex PALUSTRIS, 1 THOMOMYS  
MONTICOLA, 22 PEROMYSCUS SSA.?, 6 MICROTUS,  
1 CLATHRIONOMYS OCCIDENTALIS, 1 Zapus.

RAN TRAPS AT 2:00 PM. ALL EMPTY EXCEPT  
THOSE IN SEDGE + WILLOWS IN MEADOW WHERE I  
CAUGHT 2 MORE Sorex PACIFICUS.

RAN TRAPS AT 6:00 PM. ALL EMPTY EXCEPT  
FOR 1 LIVE TRAP WITH A CLATHRIONOMYS. SET OUT  
3 NUMBER 1 TRAPS IN BURROWS 5 INCHES IN  
DIA. WITH ALMOST A BUSHEL OF DRY DIRT + ROCKS  
THROWN OUTSIDE OF THEM. DR. B. THINKS MAYBE  
APLODONIA. THERE SET AT 7:30 PM. LOOKED  
FOR BATS OVER MEADOW BUT SAW NONE.

RAN THE 50 MUS SPEC'S IN MEADOW, <sup>AT MIDNIGHT</sup> + GOT A  
Sorex PACIFICUS, 2 MICROTUS + 2 OR 3 PEROMYSCUS  
ALSO LOOKED AT APLODONIA SETS BUT THEY  
HAD NOT BEEN TOUCHED.



A.C. ZIEGLER  
1957

JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co., Calif.

AUG. 28 RAN ANK TRAPS AT 7:00 AM. GOT 1 WEASER IN MACABEES. APLODONIA SETS NOTHING BUT 1 FILLED IN & 2200 SPRUNG. IN SCHUYLER GOT 1 NEOTOMACINCOER. IN MEADOW MUS SPEE'S GOT ONLY A COUPLE OF MICROTUS & A COUPLE OF PEROMYSCUS. LIVE TRAPS HAD 3 or 4 PEROMYSCUS. TRAPS IN STREAM BED HAD A COUPLE EACH OF PEROMYSCUS & MICROTUS & 1 Zapus WITH CRUSHED SKULL. GOT A MUSKIEA CAMINER IN RAT TRAP ~~WITH~~ ADJACENT BEHIND POOL BELOW OUR CAMP - APPARENTLY STRUCK WHILE RUNNING BEHIND TRAP. DR. B. GOT GLAUCOMYS AT BASE OF STUMP BESIDE CAMP.

RAN TRAPS AT 2:00 PM. GOT EUMYIA AMOEUS? IN SCHUYLER ON DRY HILLSIDE GOT PEROMYSCUS IN LIVE TRAP. RESET ABOUT 18 MUS SPEE'S FROM STREAM TO THE SWIFT. STREAM FLOWING ACROSS THE ROAD TO KENNYHOLE. SET IN GRASS & ON MOSS UNDER SLIGHTLY OVERHANGING BANKS. PUT MOUSE HEADS ON READERS OF MY RAT TRAPS TO TRY FOR MORE WEASERS. 1 APLODONIA SET AGAIN FILLED IN SO I RESET IT.

AT 6:30 SET 3 MORE #1 TRAPS IN APLODONIA(?) BURROWS IN DRY SHADE BESIDE POOL BELOW OUR CAMP. SHOT AT BIRDS IN LITTLE MEADOW ALONG STREAM BUT GOT NONE.



A. C. ZIEGLER  
1957

TOWNSHIP

Poker Flat, 5000 FT., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

AUG 28  
(CONT.)

Got 20<sup>+</sup> ADULT APEXUS (only 1 ♀) — 2 IN  
AMPHIBUS, 5<sup>+</sup> METAMASPHASNA ~~FRAG~~ &  
SEVERAL TADPOLES. Some frogs under rocks  
& others out on rocks — most found where  
water ran swiftly rather than in still  
pools — ditto for tadpoles & metamorphosing ones.  
Saw 1 TRICHA in pool below camp where I  
couldn't last night but could not reach  
down far enough under water to catch it.

Ran all traps between 8 & 10 PM & got  
2 or 3 each Microtus & Peromyscus. Checked  
Peromyscus sets on dry hillside & had  
trapped one — reset trap & left in same  
burrow system. Moved 1 Schuyler to base  
of tank dead stump next to a <sup>live</sup> FIRE with a  
large nest of some sort 4 ft. across & 2 ft.  
deep 30 ft. up in it & made of dead branches  
with leaves attached — maybe a squirrel's nest.

AUG. 29

Ran traps about 8:00 AM & got a few Peromyscus  
& Microtus in traps in willows in flat.  
A Peromyscus & Microtus or 2, and a Sorex  
townsendi & a Chetomys in traps  
along stream. Schuyler held only 1 Neotoma  
cinebra with crushed skull. Gopher sets not  
touched. 2 or 3 Peromyscus in live traps.  
Took in all but 50 traps in flat. Dr. B.  
got another Graculus in wood on edge of flat.





A.C. ZIEGLER  
1957

JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29  
(CONT.)



CAMP ON RISE AT S END OF FLAT.  
DR. BENSON TOOK 2 GLAUCONYS 100 YARDS OR  
SO FROM HERE IN SAME TYPE OF BIG TREE  
AREA. STREAM WHERE ASCAPHUS<sup>OR'S</sup> WERE TAKEN  
LIES 50 YARDS DIRECTLY IN BACK OF TENT  
AND DOWN SLOPE 50 FT. IN STREAM COURSE  
LEAVING FLAT.



A. C. ZIEGLER  
1957

JOURNAL

POWDER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29  
(CONT.)



VIEW OF MOST OF FLAT LOOKING APPROX. NE.  
WILLOWS + SEDGE WHERE SOXY PACIFICUS TAKEN AT  
EXTREME RT. CENTER OF PHOTO. STREAM RUNS  
INTERMITTENTLY FROM LEFT TO RIGHT OF FAR SIDE  
OF FLAT LEAVING AT EXTREME RT. BACK  
OF PHOTO. BATS FLYING AT TWILIGHT SEEMED  
TO BE RESTRICTED TO AREA WHERE THIS STREAM  
NEARLY FLAT. ASCAPHUS IN STREAM OUT OF  
PICTURE TO FAR RT., TARICHA IN POOLS IN  
FAR CENTER OF PHOTO. ROAD TO CAMP IN  
FURGROUND. ROAD ENTERS FLAT TO FAR LEFT OUT  
OF SIGHT. COPIERS AROUND DRIER COVERS OR GRASSY MEADOW.



A.C. ZIEGLER  
1957

Journal

POKER FLAT, 4000 FT., 12 m. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29  
(cont.)



SMALL WILLOWS + SEDGE ON WET GROUND  
IN FLAT WHERE THE Sorex pacificus WERE  
TAKEN. TRAP BOX GIVES SCALE; LOOKING  
APPROX. NE. Microtus longicaudus, Peromyscus  
maniculatus, Juncos + A (canadensis?) Warbler  
ALSO TRAPPED AT OR NEAR THIS SPOT.



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JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29  
(CONT.)



WATER HOLE + SCOOB-WINDOWS ALONG STREAM  
DOWN SLOPE FROM OUR CAMP. TARICHA (1022)  
IN POOL ON RT. ASCAPHUS TRAPPED IN CENTER OF  
PHOTO BUT MOST FROM MORE OPEN, SWIFTER  
PARTS OF STREAM DOWN STREAM TO FAR LEFT  
OUT OF PHOTO. WEASEL CALLED ON NEAR END OF  
LOG TO RT. OF SCOOB. IN THIS SCOOB ON WET  
GROUND TRAPPED PEROMYSCUS MANICULATUS, MYCOTUS,  
1 Zapus. SHREWS APPARENTLY ABSENT OR NOT  
BITTING IN THIS IMMEDIATE AREA.





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JOURNAL

POKER FLAT, 5000 FT, 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 29  
(CONT.)

AT 11:30 AM FOUND ♀ PEROMYSCUS IN STREAM WHERE IT CROSSES KENNEY LAKE ROAD NEAR OUR CAMP. DR. B. GOT ♀ ALSO. NO TADPOLES SEEN YET. SET OUT 50 MUS TRAPS IN WET SPOTS IN MEADOW & INTO FENS ON HILLSIDE AT NE END OF FLAT. SONG IN AVES DUG OUT UNDER LOGS IN DAMP OAKS. ALSO 3 RAT TRAPS WITH THEM. SET OUT 8 SCHUYLER (+ 2 ANGELO) ON LOGS & AT BASES OF TALL STUMPS AROUND CAMP WITH MOUSE HEADS, BIRDS & AVES AS BAIT. RAN 50 TRAPS THAT HAVE BEEN SET FOR LAST COUPLE OF DAYS IN WILLOWS IN FLAT. GOT A ♀ Sorex paucicrus AND A COUPLE OF MICROTUS. GOT 1 GARDNER WHICH MUST HAVE BEEN IN TRAP FOR SEVERAL HOURS OR MORE. SHOT AT BATS AT TWILIGHT BUT IF I HAD ANY I COULD NOT FIND THEM. DR. B. GOT 1 SMALL ONE BUT COULD NOT FIND IT. SAW 2 CANADA JAYS IN CAMP ABOUT 2:00 PM. HEARD AN OWL (HOO-HOO-HOO-AH) AT TWILIGHT. RAN 50 MUS TRAPS IN WILLOWS IN MEADOW AND THE 10 SCHUYLERS AT MIDNIGHT-HAD NOTHING IN ANY.

AUG. 30

RAN TRAPS AT 7:30 AM. GOT 9 PEROMYSCUS, 6 MICROTUS, 1 Sorex newbridgei & TIP OF A CHITARRIA TAIL IN 50 MUS TRAPS. + 3 RAT TRAPS SET IN NE CORNER OF FLAT AMONG WET SPOTS & IN FENS & LOGS. GOT NO GARDNER, NOTHING IN SCHUYLERS OR IN 4 #1 TRAPS SET IN BURROWS BY POOL



A.C. ZIEGLER  
1957

JOURNAL

POWELL FLAT, 10000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 30  
(CONT.)

JUST BELOW OUR CAMP. 50 MUS. SPECIES IN WINDMILL  
& SEEDS IN FLAG HAD ONLY 1 MICROTUS & A  
(CANADIAN?) WASBLER. TARICHA ACTIVE AT  
8:00 AM IN POOL IN FLAG. - ADJOINING POOL  
HAD THIN SKIN OF ICE. MUCH FROST - SOME  
XTALS  $\frac{1}{4}$  INCH LONG ON GRASS. DR. B. GOT A  
SCIURUS DOUGLASSI IN SCHUYLER BUT IT WAS  
BEING EATEN FROM HEAD BACK BY ~~GASTRORHINUS~~  
THIS AM. INJECTED 7 MICROTUS OF DR. B.  
& MIXED WITH ~~1~~ 1:19 (ANPHIBIAN ORGANS)  
FORMANIN TO TRY TO SKIN THEM LATER. -  
MAYBE THIS WILL TAKE PLACE AT MONTANA.  
LEFT AT ABOUT 1:45 PM. SAW DEER ON  
ROAD TO HAPPY CAMP DROVE TO YREKA  
ARRIVING AT 6:15 PM & ATE SUPPER THERE.  
SAW SEVERAL BOONIES GROUND SQUIRRELS  
DEAD & MORE ALIVE ON ROAD TO YREKA  
ALSO A DEAD BLACK CAT & A WEEWING.  
ARRIVED IN FOWLER CAMP, 6 MI. (BY ROAD) E OF MT.  
CLOUD, SISKIYOU CO., CALIFORNIA. 7 <sup>+</sup> ACNIC TABLES,  
COLD WATER TAPS & ~~PARADE~~ LANSINGS. ABOUT  
10 TRAINERS ~~ARRIVED~~ IN HERE BUT WE FOUND  
1 EMPTY SPACE WITH PICNIC TABLE. SOME ONLY  
CAMPING LIMITED TO 15 DAYS. WILL NOT STAY  
HERE TONITE.

AUG 31 LEFT AT 8:30 AM. & DROVE TO VICINITY OF MONTANA  
CREEK WHERE FOUND OUT DETAILS OF CARRISMAN'S RANCH  
SEE DR. BENSON JOURNAL FOR DETAILS



A. C. ZIEGLER  
1957

JOURNAL

SUPAN RANCH, 3400<sup>+</sup> FT., 3 MI. E MONTGOMERY CO. P.O., SHASTA CO., CALIF.

AUG. 31

COMPLETE LOCALITY IS SW CORNER, Sec. 34, T. 35N, R. 1E. A SMALL LAKE DEVELOPED BY MR. ~~GROVER~~<sup>GROVER</sup> SUPAN & STOCKED WITH TROUT FOR FISHERMAN. IS REACHED BY A DIRT ROAD USED PARTLY BY RANAH L. SMITH LUMBER CO. AND CUTTING OFF HWY 299 ABOUT A HALF MILE WEST OF HILLCREST FIRE (RANCH) SRA. "3 MI. E" IS AIRLINE MAP DISTANCE, BUT TRAIL IS FROM MR. SUPAN. SET OUT 50 MUS SPCE'S & 3 RAT TRAPS IN ~~WATER~~<sup>MAPLE</sup> DOGWOOD - ~~BOLESLAW~~(?) - ANDER THICKET & ALSO IN MICROTUS(?) PENS IN TALL GRASS & SEDGE AROUND LAKE. SET SAME KIND OF LINGE AROUND A MUCH SMALLER LAKE N 50 YARDS OF BIGGER ONE. CALLED A BASSER SNAKE <sup>AT 5:00 PM</sup> IN MOUSE TRAP ON THICKET BY LAKE. ALSO COUNT BY HAND AN ANALOG WIZARD AT 6:00 PM BESIDE SMALL LAKE AND 3 TRICHTA IN THE SMALL LAKE. THESE 3 WERE FAIRLY LARGE - SMALLER WERE SEEN BUT COULD NOT BE COUNTED. SHOT AT LARGE & SMALL BATS AT TWILIGHT & GOT 1 EPITERICUS. ALSO PUT UP 4 MICROTUS FROM ABOVE FIRST PRESERVED WITH formalin <sup>MANICURARI</sup>.

SEPT. 1

RAN TRAPS AT 8:00 AM. GOT 3 PEROMYSCUS & 5 MICROTUS SRA IN THICKET & AROUND BIG LAKE. 1 MORE PEROMYSCUS MANICURARI EATEN IN TRAP. IN TRAPS AROUND SMALL LAKE GOT MICROTUS



A.C. ZIEGLER  
1957

JOURNAL

AUG 31 -  
SEPT. 2

SUPAN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY CO., P.O.  
SHASTA CO., CALIF.

SEE ALSO U. S. G. S. MAP. BUTNEY, CALIF., 1939



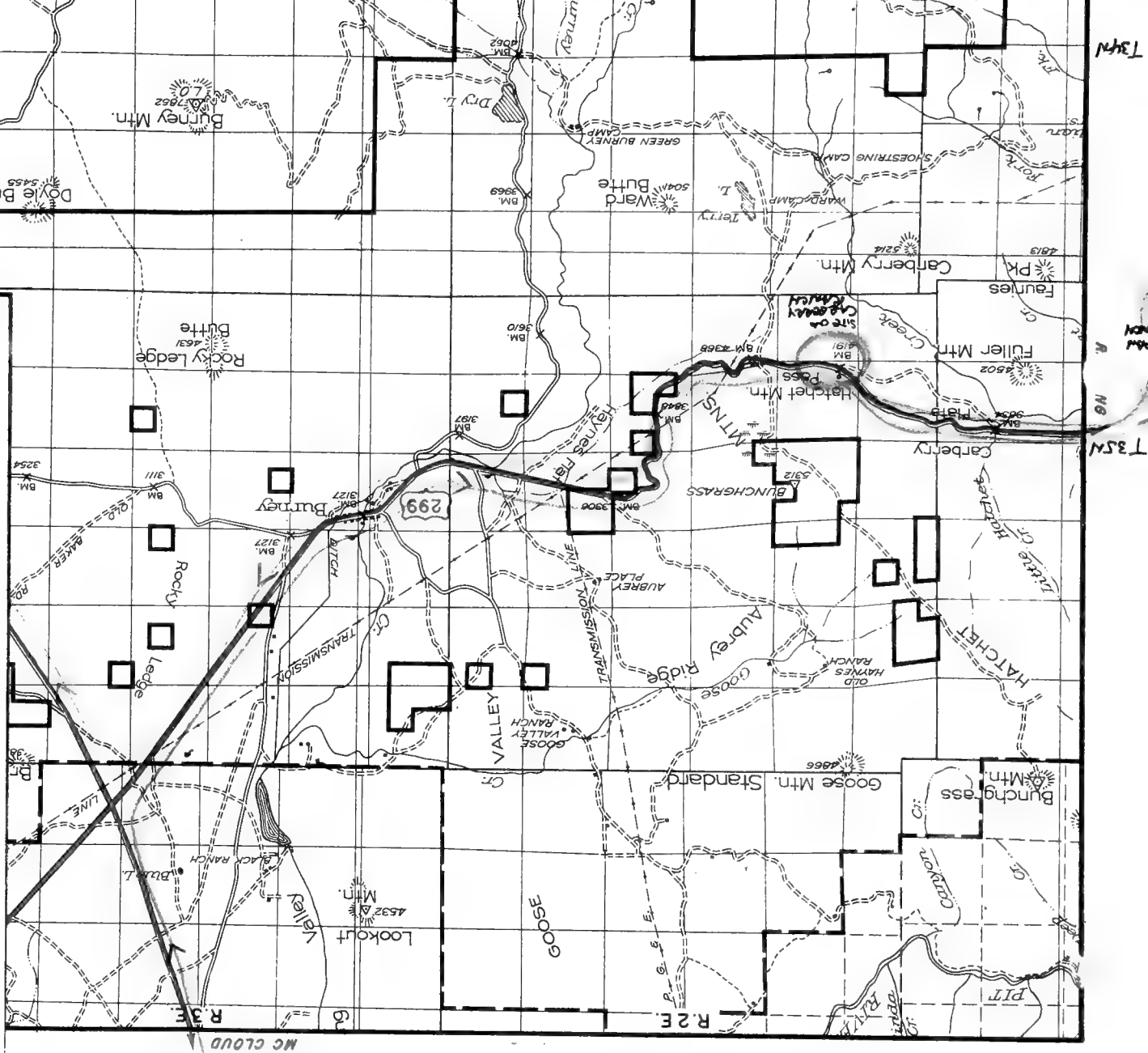
U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
**HAT CREEK DISTRICT**  
**LASSEN NATIONAL FOREST**  
CALIFORNIA REGION  
1952

Scale  
1 1/2 2 3 4 5  
Miles

**LEGEND**

- |                        |  |
|------------------------|--|
| ▲ Improved Forest Camp | — National Forest Boundary                 |
| --- Trail              | --- Adjacent National Forest Boundary      |
| --- Poor Motor Road    | --- Guard Station not permanently occupied |
| == Good Motor Road     | ▲ District Ranger Station                  |
| == Main Motor Road     |  |
| ✕ Mine                 |  |
| --- Transmission Line  |  |
| --- Railroad           |  |
| ■ Winter Sports Area   |  |

CHAPERONE YOUR MATCHES, "SMOKES" AND CAMPFIRES--  
DON'T LET THEM GO OUT ALONE!  
REPORT FOREST FIRES TO NEAREST FOREST STATION,  
PEACE OFFICER OR TELEPHONE OPERATOR

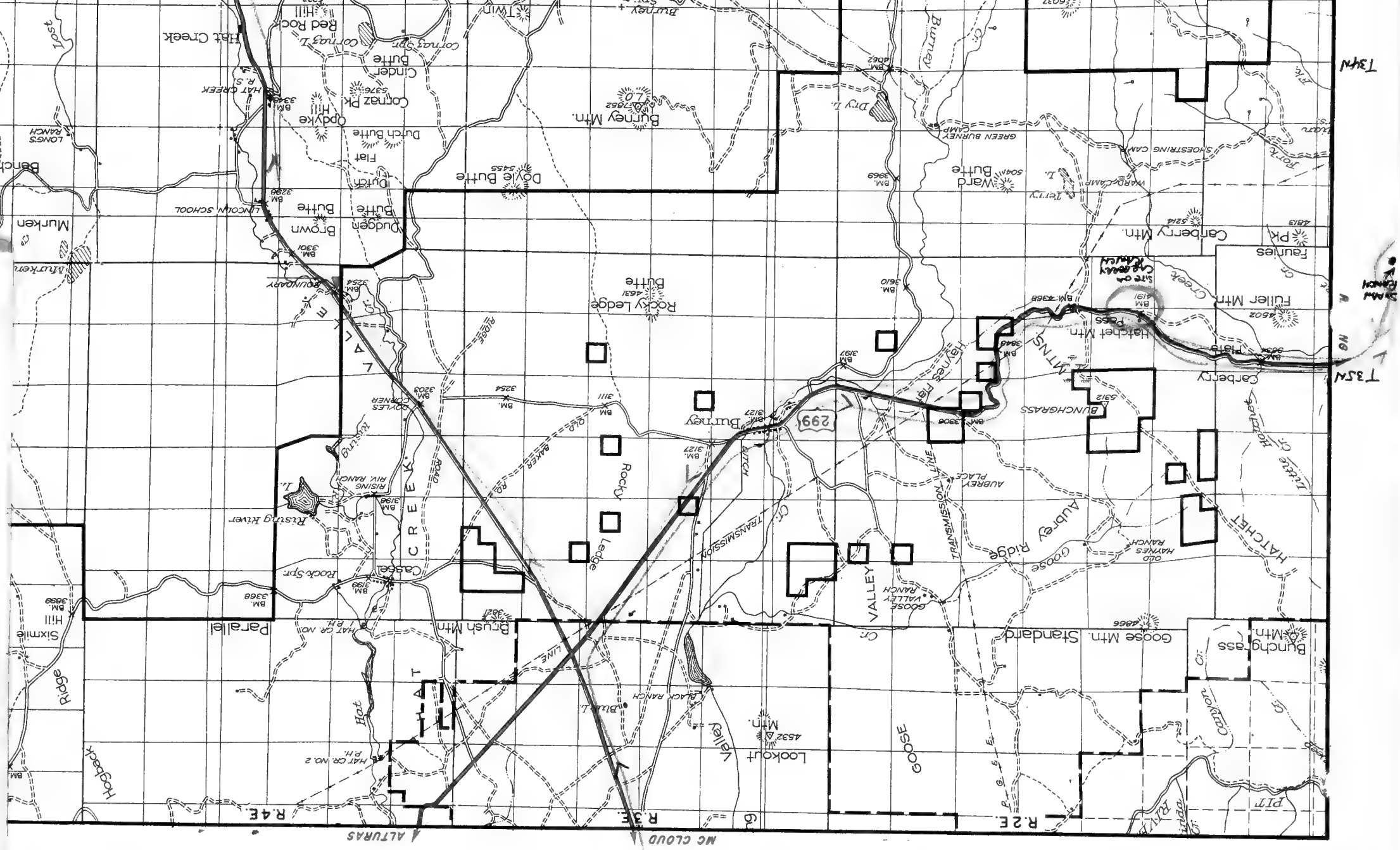


A.C. Ziegler  
1987

*burney*

A.C. Ziegler  
1957

Buenaville





A. C. ZIEGLER  
1957

JOURNAL

SUPAN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY CO. P.O., SHASTA CO., CALIF.

SCOTI  
(CONT.)



Lake at Supan's looking approx SE from our camp. Dan to far right. Bats shot on road from which photo was taken. Supan's shack across lake to far left out of photo. Gophers in fields just visible in left far center of photo. Clump of <sup>doornood</sup> ~~willows~~ etc. visible in far center of photo gave Peromyscus maniculatus, Microtus spp., Sorex ~~rew-~~ briggsi, Lincoln sparrow, Thamnophis + Ambystoma ~~leucurus~~. Ground squirrels in rabbit dirt shade in far rt background.



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1957

## JOURNAL

SUPAN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY (C.A.O.), SHOSHONE CO., IDAHO.

SEPT. 1  
(CONT.)

(SKUNK CAUGHT) AND 6 PEROMYSCUS MANICULATUS  
(2 EATEN IN NEST). SET OUT 11 MALLETTS ON OPEN REDWOOD  
RAN TRAPS AT 1:00 PM. GOT 2 ANIGATOR

WIZARDS IN NESTS + CHASED A THIRD INTO A  
NEST. GOT 1 SOREX NEOWBRIORI IN POONWOOD  
THICKET BY BAD LAKE (SKUNK CAUGHT).

RAN GORPHER + MUS SPEC TRAPS AT 7:00 PM  
NOTHING IN MUS SPEC'S BUT A PEROMYSCUS  
DEAD IN A RAT NEST NEXT TO SMOKER WALKER.  
HAD FOUR GORPHERS OUT OF 5 SETS. RESET  
SPRING TRAPS AT DIFFERENT RUNWAY SYSTEMS.  
SHOT BATS AT TWILIGHT + GOT A LARSONYCTERIS.  
DR. B. GOT A MYODUS CALIFORNICUS. KEPT  
1 GORPHER ALIVE (# 904 A.C.Z.) TO TRY TO TRAIL  
BACK TO BORNEO. SET 33 LIVE TRAPS ALONG CANYON DRY CREEK.

SEPT. 2

RAN TRAPS AT 7:30 AM + PICKED THEM UP. HAD 4  
GORPHERS - 1 OF WHICH WAS SAVED ALIVE (# 911 A.C.Z.)  
WITH A CHENED UP TAIL. IN LIVE TRAPS GOT ONLY  
ABOUT 12 PEROMYSCUS MANICULATUS, IN MUS SPEC'S  
GOT 2 PEROMYSCUS MANICULATUS, 1 MICROTUS + 1  
LINCOLN(?) SPARROW. PUT UP GORPHERS + MICROTUS.  
PACKED + LEFT AT 3:00 P.M.

CAMPED WITH NO TRAPPING NEAR GREENVILLE, PRIMAS CO.  
SAW POSCUINE WALKING BESIDE ROAD BANK ROUGHLY  
20 MI. BEFORE GREENVILLE. HEARD US SAW WHAT  
MIGHT HAVE BEEN FLYING SQUIRRELS IN GREENVILLE CANYON.  
SAW DEER MARMOT + PICA IN LARSON NORTH PARK.



A.C. ZIEGLER  
1957

## JOURNAL

BUTT CREEK <sup>4300<sup>+</sup> Ft.</sup> 8 MI. S CENTER, PLUMAS CO., CALIF.

SEPT. 3

ARRIVED HERE ABOUT 2:30 AM. LOCATION OF CAMP IS 200 YD SE OF BRIDGE CROSSING BUTT CREEK. (8 MI. IS AIRLINE) COUNTRY ROAD TO LONGVILLE PASSES OVER BRIDGE. CAMPGROUND HAS NO FACILITIES AT ALL BUT CREEK HAS GOOD WATER & IS SWIFT & 20-30 FT. WIDE HERE WITH WILLOW & SCOE ALONG IT & ON ISLANDS IN IT. A COUPLE OF SPRINGS ENTER NEAR CAMP. CONSTRUCTION WORK IS GOING ON NEAR BUTT VARNER RESERVOIR. BEAVER APPARENTLY USED STREAM NOT MORE THAN A YEAR OR SO AGO - IN THIS AREA, AT LEAST. SCOE AMONG WILLOWS IS GRASS - PROBABLY BY COWS (WHICH WE SAW) & DEER (OF WHICH THERE IS SOME SIGN) BUT BRUSH OF SCOE ARE UP TO 1 1/2 FT. TALL. CAUGHT FROG IN CREEK. SET OUT 70<sup>±</sup> MUS TRAPS & 5 RAT TRAPS IN SCOE & WILLOWS NEXT TO OUR CAMP ALONG A 100 YD. STRETCH OF STREAM. SET 11 MAEASERS IN BURROWS IN NARROW BELT OF GRASS BETWEEN CREEK & CAMP. IN 5 SETS. SET. 32 LIVE TRAPS ON DRY, TIMBERED HILLSIDE WHERE A COUPLE OF LITOMUS LABRONIS & EUMYIAS WERE SEEN. SET 10 SCHUYLERS ON LOGS & AT BASES OF SNOWS BRUSH MOSTLY WITH BOTH FRUIT & MOUSE OR BIRD MEAT. RAN MAEASERS AT 8:30 AM - NO MINK. IN TRAPS ALONG STREAM GOT 1 Zapus, 1 PERO & 3 MICROTUS. SHOT BATS AT TWILIGHT ALONG CREEK.





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JOURNAL

<sup>4300<sup>+</sup> FT.</sup>  
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 - 5

SEE ALSO U.S.G.S. TOPO LASSEN PEAK, CALIF., 1894

ELEVATION FROM THIS MAP.

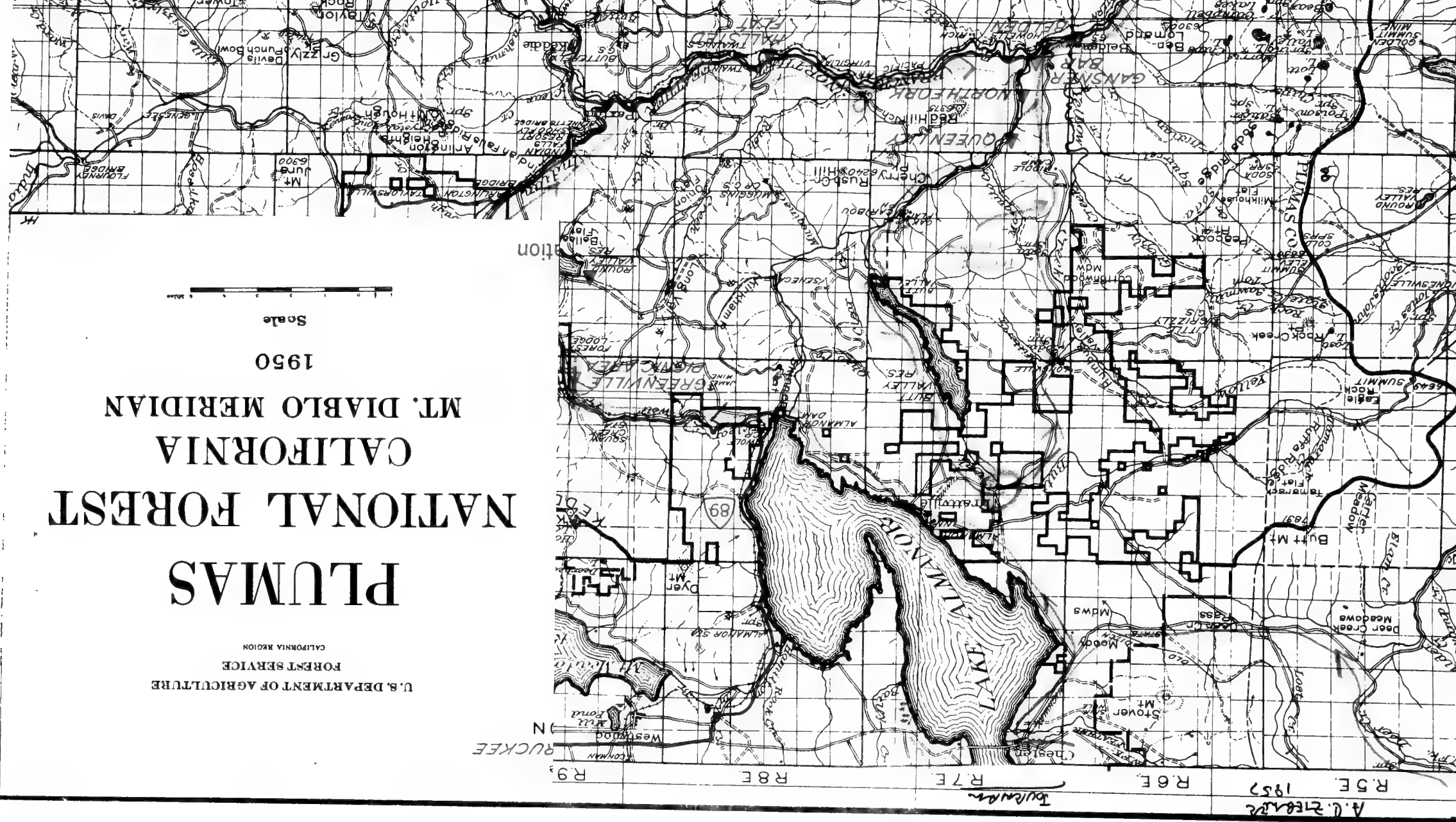
PLUMAS  
NATIONAL FOREST  
CALIFORNIA  
MT. DIABLO MERIDIAN

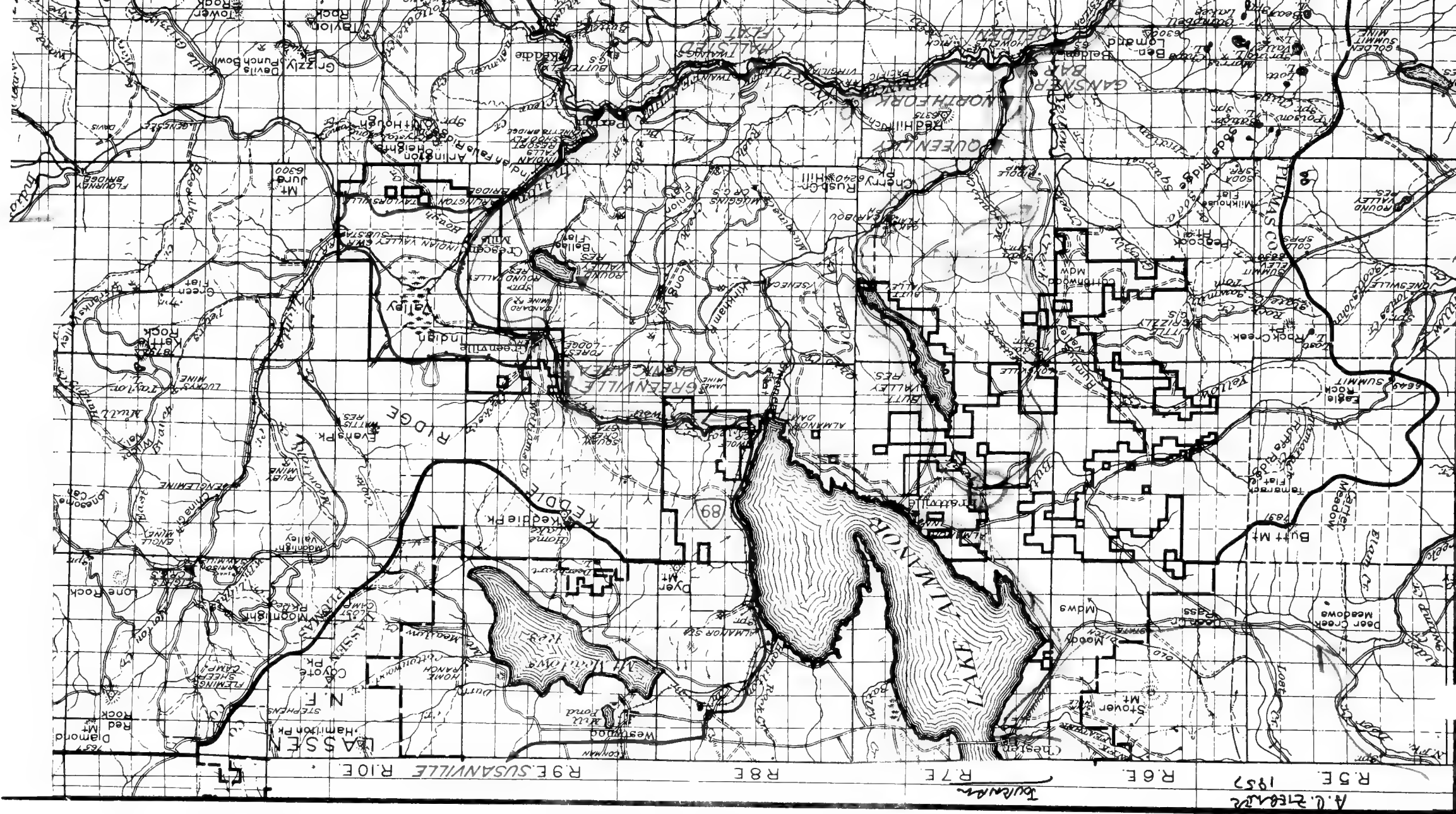
U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
CALIFORNIA REGION

Scale  
1950

R 9  
R 8 E  
R 7 E  
R 6 E  
R 5 E

A. L. ZIEGLER  
1952





1

4

K

K

A.C. ZIEGLER  
1957

TOWNSEND

BUTT CREEK, <sup>4300± FT.</sup> 8 MI. S CHESTER, PHUMAS CO. CALIF.

SEPT 3.  
(CONT.)

Got a Myotis myotis. Saw nest  
on wood by Porcupine(?) + several containers  
+ many windows cut down by beaver.

SEPT. 4

Ran traps at 7:30 AM. Nothing in Schuylers,  
1 Gopher in meadows, Peromyscus maniculatus  
in about half of live traps and also 1  
Sorex nanus (dead). In mus traps + rat  
traps got only 1 water shrew + 2 P. maniculatus.  
Got 10 traps sprung - especially near camp.  
Coon raided camp last night - from traps.

Ran traps at 11:00 AM - got only 3 Citellus  
luteus in Schuylers + 2 Peromyscus maniculatus  
in some <sup>LIVE</sup> traps that caught same species  
last night. There 2 also Peromyscus.

Ran live traps + got same(?) two Peromyscus  
in same two traps at 12:45 PM. Also 2 more  
Citellus luteus in Schuylers. At 3:45 PM got  
Citellus beecheyi in Schuylers.

Ran live traps + Schuylers at 7:30 PM. Got only  
1 of same 2 Peromyscus <sup>one of</sup> in same live traps.

Shot at bats at twilight + got a Lasiurus.  
Set out about 15-20 mus traps in open meadow  
just 50 yds downstream from my tent 70± (in  
willow + sage just back of camp.)

Ran traps at 11:30 PM. No gophers, nothing in  
Schuylers, a few Peromyscus in live traps. Got 2 Micromys  
1 Neotoma, + 1 Peromyscus in 70± mus traps behind  
camp. In mus traps set in open meadow got 1





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1957

TOWENSON

BUTT CREEK, 4300 $\pm$  FT., 8 MI. S CHERTSE, PLUMAS CO., CALIF.

SHOT 4  
(CONT)



UNDERBRUSH OF WILLOWS & GRASS ALONG  
CREEK LOOKING NE. WILLOWS CUT BY BEAVER.  
BATS SHOT AT TWILIGHT ON EXTREME RIGHT  
BANK OF PHOTO. IN GRASS & WILLOWS & SIDE  
BRANCHES OF STREAM IN PICTURE GOT 1 ZAPUS,  
BUFO, MICROTUS LONGICAUDUS & MONTANUS, SCORP  
PANISTEIS, PEROMYSCUS MANICULATUS & 1 NEUROTRICUS  
(JUST OUT OF PHOTO ON CHASE LEFT.), SCORP VARIANS,  
RATHER DRY HILLSIDES RUN UP FROM THIS  
STREAM ON EITHER SIDE WITH CONIFERS.  
PHOTO TAKEN JUST A FEW YARDS DOWN SLOPE FROM  
CAMP.





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JOURNAL

BUTT CREEK, 4300<sup>±</sup> FT., 8 MI. S CHESTER, PLUMAS CO, CALIF.

SEPT. 4  
(CONT.)



VIEW OF SPOT WHERE NEUROTRICHUS WAS  
TAKEN (JUST ABOUT BELOW TEARD B&B) LOOKING N.  
SMALL SIDE BRANCH OF STREAM IN FOREGROUND  
UNDER SEDGES - MAIN STREAM FLOWING FROM  
LEFT TO RIGHT WELL BEHIND WILLOWS IN CENTER  
OF PHOTO. Sorex ualensis, S. parvulus, Microtus  
peromyscus maniculatus + Zapus TAKEN IN  
IMMEDIATE AREA OF PICTURE ALSO. ONLY  
100-200 FT DOWN SLOPE FROM OUR CAMP.



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<sup>4300<sup>+</sup> Ft.</sup>  
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 4 (CONT.) Sorex uarzens, 3 Microtus + 2 Peromyscus.

SEPT 5 RAN ALL TRAPS AT 7:45 AM. NOTHING IN  
MARESCOS OR SCHUYLERS; Peromyscus IN LIVE  
TRAPS. 1 Microtus IN OPEN MEADOW + 3  
Sorex uarzens IN TRAPS IN WILLOWS + SEDGE.

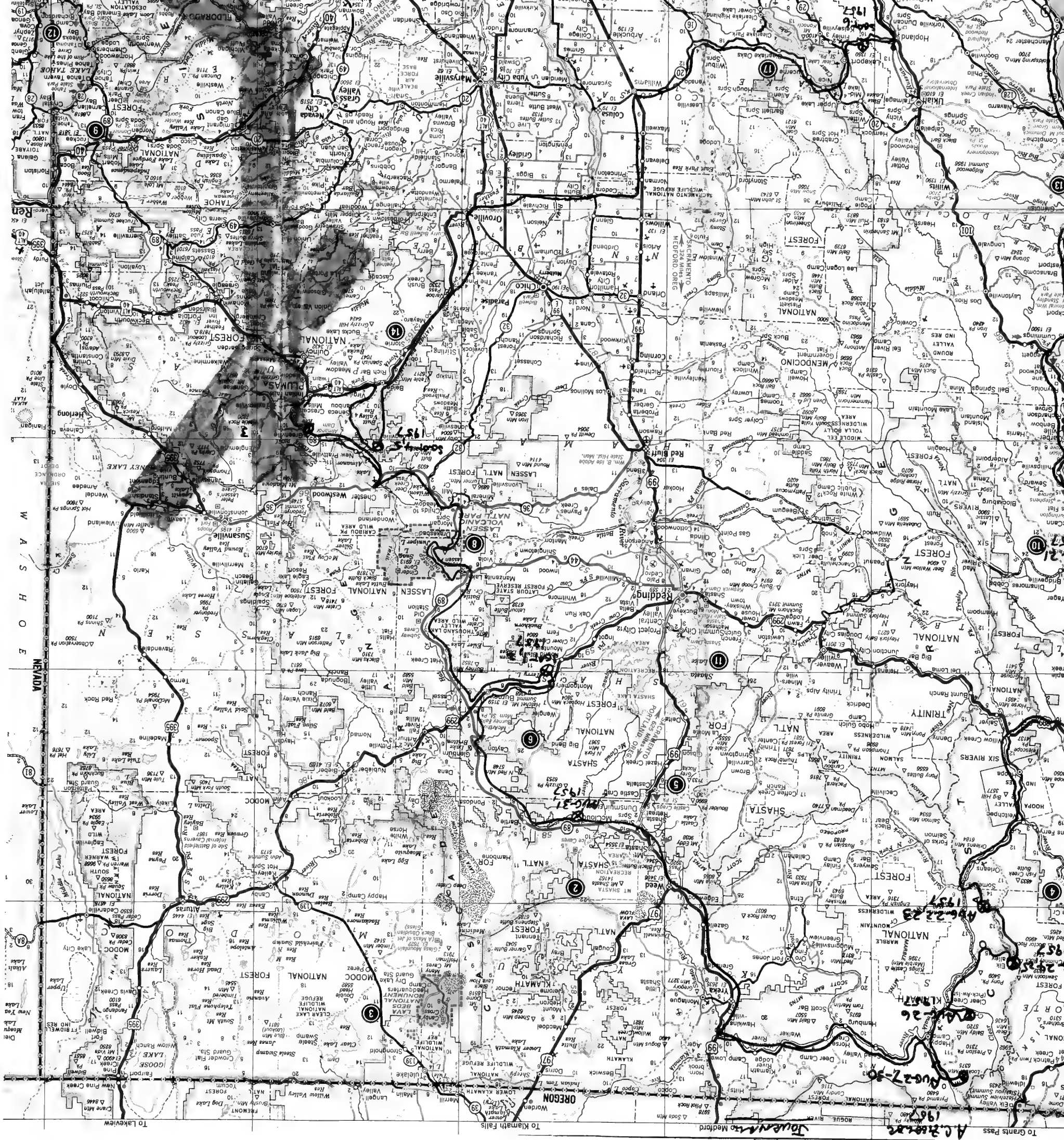
RAN + PICKED UP ALL TRAPS BETWEEN NOON + 3:00 PM. GOT  
ONLY A Citellus lateralis IN SCHUYLER + FINALLY A  
Eutamias speciosus IN A LIVE TRAP (KEPT AS CAPTIVE).  
PACKED + LEFT AFTER PUTTING UP SPECIMENS AT 6:00 PM.  
DROVE TO LUCAS LAKE CO., CALIF + LOOKED  
INTO 2 MINE TUNNELS JUST OUTSIDE OF TOWN.  
WHERE DR. BENSON + OTHERS HAD BANDIED BATS  
10 YEARS OR SO AGO. SAW A LARGE BROWN  
SQUAMMOUS WITH LIGHT SPECKS ALL OVER  
BUT COULD NOT CATCH IT AS IT WENT INTO  
HOLE IN CAVE FLOOR. NEXT DAY RECOVERED A  
Myotis thysanodes + SAW ANOTHER Myotis spp.  
WITH A BAND ON WING. SHOT ABOUT 3:00 AM  
IN HILLS A FEW MILES FROM LAKE PORT.

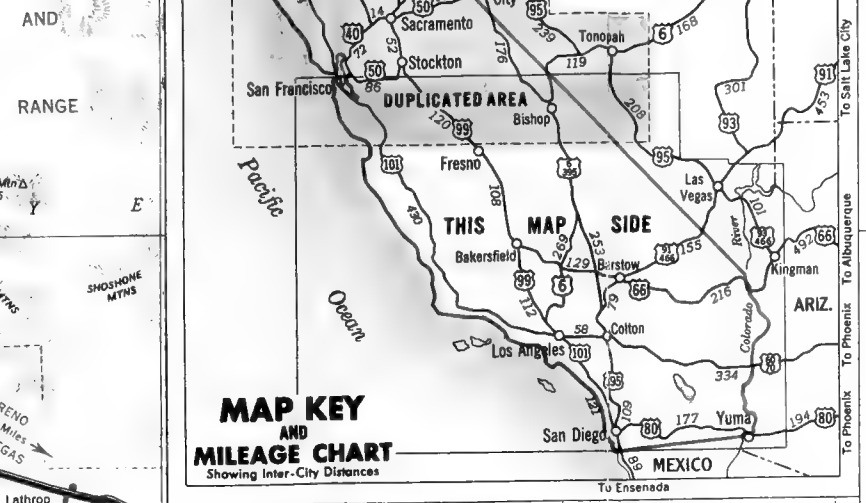
<sup>MENDOCINO CO.</sup>  
HARLANDS EXPERIMENTAL STATION, LATE CO., CALIFORNIA

SEPT. 6 GOT UP AT 8:30 AM + DROVE TO STATION  
WHERE CHAR. THREGE WHO HAD TALLOW BUCKS  
JOB OF TRAPPING MICE FOR SUMMER SHOWED  
US AROUND. SAW MANY ♀ + FAWN DEER  
BUT NO BUCKS. SAW NO CHIPMUNKS BUT A  
FEW Citellus beecheyi IN DRIFT PASTS.





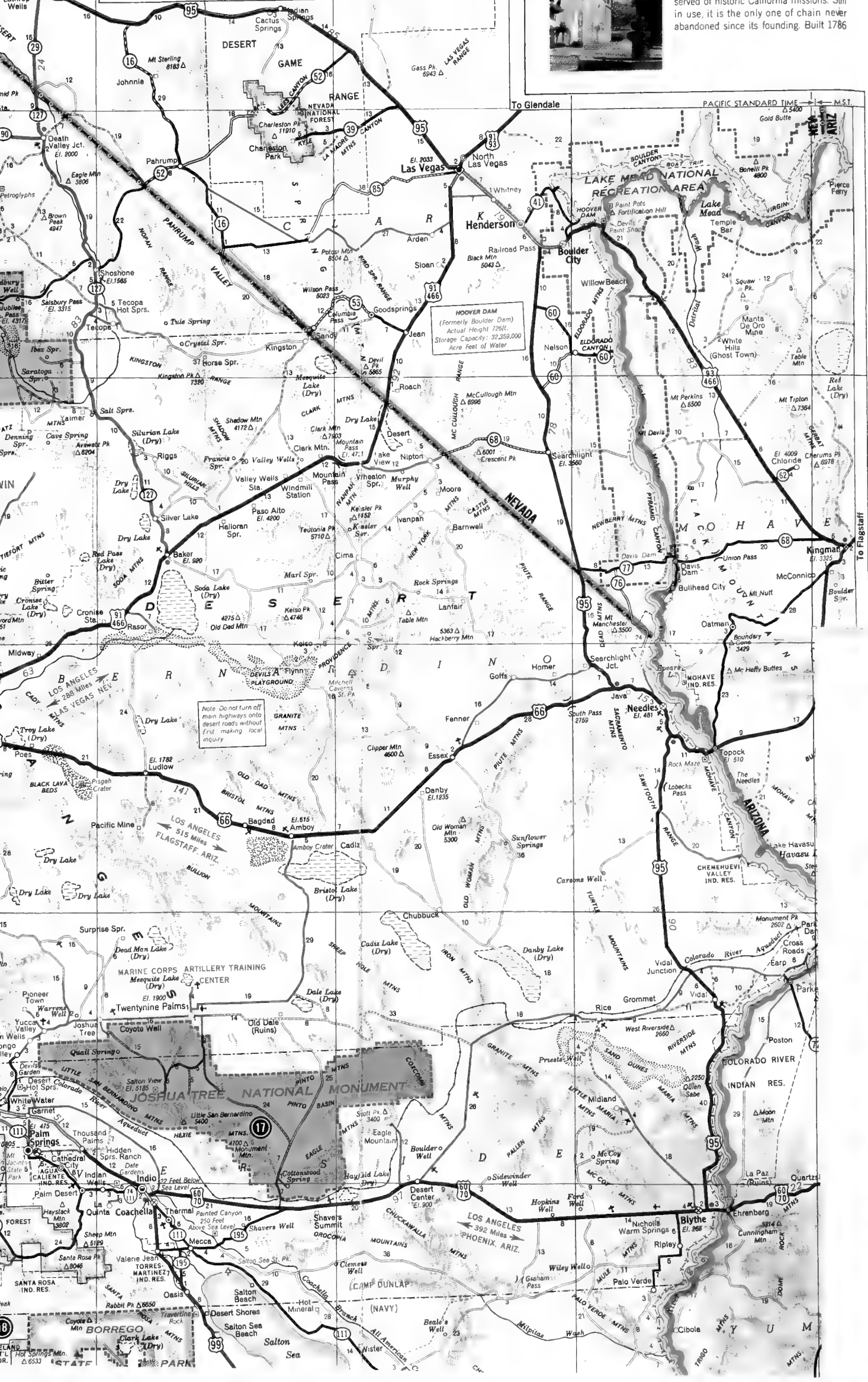




**Point Lobos Reserve State Park**  
This area embraces one of most enchanting parts of oft-painted Carmel-Monterey region, where native pine and cypress forests reach down to the blue Pacific Ocean

**San Miguel Mission**  
Dating from 1797, this mission contains original paintings and designs created by Indian neophytes in days of the Padres. Stands close to U S Highway No 101

**Santa Barbara Mission**  
One of the most beautiful and best preserved of historic California missions. Still in use, it is the only one of chain never abandoned since its founding. Built 1786



THAT'S ABOUT IT  
 COULD BE WITH BROKEN SKIN  
 BEEN WRAPPED ON OR JUST  
 HE HAS A SECOND SPECIMEN  
 ALSO. 25 DEER HUNTERS  
 FOR WEEKEND DAY & NIGHT  
 OFF BUCKS BUT MANY OTHER  
 REPORTED SEEING ONLY 200  
 PROVE ON TO BARKLEY, A  
 3:30 OR 4:00 PM. I HAD 1 C  
 WHICH RAN OFF AT HOME  
 KILLED ANOTHER AS SPECIMEN  
 REMAINING 3 TO DON. WILL  
 DR. B. STINK HAS 1 EAGLE  
 AS CAPTIVES.



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1957

# JOURNAL

HASHANOS EXPERIMENTAL STATION, <sup>MENDOCINO</sup> ~~LAKE~~ CO., CALIFORNIA

SEPT. 6  
(CONT.)

THAYER ALSO SHOWED US A BOB-CAT  
CARCASS WITH BROKEN SKULL WHICH HAD  
BEEN KILLED ON OR JUST OFF OF STATION.  
HE HAD A SECOND SPECIMEN TAKEN HERE  
ALSO. 25 DEER HUNTERS ARE ALLOWED  
FOR WEEKEND ONLY & MANY HAD TAKEN  
OFF BUCKS BUT MANY OTHERS APPARENTLY  
REPORTED SEEING ONLY DOES OR Fawns.  
DROVE ON TO BASKINBY, ARRIVING ABOUT  
3:30 OR 4:00 PM. I HUNT 1 CITELLUS WATERBURYI  
WHICH RAN OFF AT HOME OF DR. BENSON.  
KILLED ANOTHER AS SPECIMEN & DR. B. GAVE  
REMAINING 3 TO DR. WILKINS OF MUSE.  
DR. B. STILL HAS 1 Eutamias, & 3 Thomomys  
AS CAPTIVES.





A.C. ZIEGLER  
1957

## JOURNAL

### STRAWBERRY CANYON, BRECKENRIDGE, ALAMOGOSA CO., CALIF.

PVT 10  
SEPT 21

PVT 10 SMANN DIODERPHIS (WEIGHING TODAY 97.7 gm)  
CAUGHT IN LIVE TRAP BY BRIAN K. MCNAB ON AUG. 9, 1957  
DIED ON AUG. 11, 1957. BRIAN'S NOTE WITH SPECIMEN  
SAYS ONLY "TRAPPED.. ALONG STREAM UNDER SOME  
PEELING, BUT ALIVE, LAURENS."

### "ARCHAEOLOGICAL SITE NEAR LIVERMORE, CALIFORNIA"

OCT 21 17 SPECIMENS SENT IN BY MR. DONALD F. MCGEEN,  
961 COWLEY DRIVE, SAN LEANORE, CALIF.  
WERE IDENTIFIED AS FOLLOWS: (#'s SEE MCGEEN'S)

- G-38-6-12 — MOST LIKELY AMERICANIAN (CRANIAL  
FRAGMENT)  
K-40-6-12 — SYLVILABUS (AUDUBONI) INNOMINATE  
K-40-18-24 — BOREAL PHALANX DIGIT II BRONTA  
L-39-0-6 — SYLVILABUS (AUDUBONI) HUMERUS  
L-39-0-6 — IMM. HOMO (?) ULNA  
L-39-30-36 — IMM HOMO INNOMINATE  
L-41-18-24 — CANIS CRANICUM  
L-42-12-18 — LYNX MANDIBLE  
~~L-42-24-30~~  
L-42-24-30 — 30-60 DAY OLD CANIS HUMERUS  
(OR CANIS WITH KNOWN SUBSPECIES)  
L-42-18-24 — PROBOSCY ODONTOLEUS  
M-39-6-12 — ODONTOLEUS, BROTHLOCHUS OR PROBOSCY  
YOUNG CERVUS STEENUS OR  
M-39-12-18 — MATURE CANIS TIBIA  
M-40-30-36 — HOMO BASISPHEMIA  
M-41-12-18 — CANIS REX  
M-41-24-30 — IMM CANIS MANDIBLE  
(MOSTLY AMERICAN)  
M-41-24-30 — CANIS INTER ORBITAL REGION  
M-42 — SYLVILABUS (AUDUBONI) MANDIBLE



A.C. ZIEGLER  
1957

JOURNAL

TAKEN IN VIC. FARALLON IS., SAN FRANCISCO CO., CALIF.

OCT. 31

WENT OUT TO DEN MONTE FISHING CO.  
ON POINT ~~MOLATE~~ <sup>SAN PABLO</sup>, CONTRA COSTA CO., CALIF. WHERE  
KING'S BOAT BROT IN A HUMBACK WHALE  
(MEGALOTERA) ABOUT 11:15 PM. TOWING IT TIED  
RIGHT ALONG SIDE. INTERAN TAPS AT FLUKES  
HAD BEEN CUT OFF APPARENTLY TO ALLOW  
A LOOP OF CABLE TO BE PASSED OVER THEM  
& TIGHTENED ON SMALL "NECK" JUST ANTERIOR  
TO FLUKES. WHALE WAS HAWLED BY CABLE  
WINCHES UP A SHUTE AND INTO THE  
LARGE WOODEN-PLANK FLOORED WAREHOUSE  
WHERE CUTTING UP BEGAN IMMEDIATELY.  
STARTING FIRST WITH THE FLUKES & VENTRAL  
WHILE THIS WAS GOING ON OTHER MEN OF  
THE CREW OF 20 OR 25 WERE CUTTING  
OFF STRIPS OF BLUBBER; THE FLIPPERS  
AND THE LARGE AND SOFT SACKY CHIN  
OF LOWER JAW SKIN. I WAS SURPRISED TO  
SEE THIS PART OF THE WHALE (THE THROAT)  
WAS SO FLABBY - I WOULD HAVE EXPECTED  
IT TO BE MORE RIGID. THE GREY TONGUE  
WAS ALSO VERY FLABBY & APPARENTLY MORE  
DIFFICULT TO CUT UP THAN, SAY, BLUBBER  
OR MUSCLE. THE MEN USED LONG HANDLED  
KNIVES SHAPED LIKE HOCKEY STICKS WITH  
THE OUTER PART OF THE DISTAL CURVE SHARPENED.  
THEY OFTEN WHEAT ~~THE~~ THE KNIVES WITH STONES.



A.C. ZIEGLER  
1957

JOURNAL

TAKEN IN VICINITY FERRANON ISLANDS, SAN FRANCISCO CO. CALIF.

OCT. 31.  
(CONT.)

ONE MAN WOULD PULL AT A PORTION OF WHALE WITH A 3-4 FOOT LONG METAL HOOK AS THE OTHER CUT OFF THE CHUNK FROM THE REMAINING MASS OF MEAT. THE CHUNKS CUT OFF WERE ROUGHLY 1-1½ FT SQUARE — JUST ABOUT THE SIZE THAT TWO MEN, WORKING TOGETHER, COULD PICK UP WITH POLES ABOUT RAKE-HANDLE SIZE WITH THIN HOOKS ON THE ENDS. THE CHUNKS WERE THEN LOADED INTO A ~~SMALL~~ HOPPER ON THE FRONT OF A FORK-LIFT-LIKE TRUCK TO BE TAKEN NEXT DOOR & DUMPED INTO THE VAT OF A RENDERING COMPANY WHICH APPARENTLY HEATED MUCH OF THE OIL OUT; PRESSED THE RESIDUE OUT & SAVED THE "MEAT" REMAINING FOR HI-PROTEIN (~70%) CHICKEN & TURKEY FEED. I COULD NOT FIND OUT WHAT WAS DONE WITH THE OIL BUT A WORKER SAID MUCH WAS SENT TO GERMANY. APPARENTLY TWO GRADES OF OIL ARE PRODUCED IN THIS PLANT BUT I DIDN'T GET THE DETAILS. BACK AT THE WHALE CUTS WERE MADE IN THE BLUBBER WHICH WAS 4-6 IN. THICK UNDER THE 4 TO 5 IN THICK BLACK SKIN AND CABLES



A.C. ZIEGLER  
1957

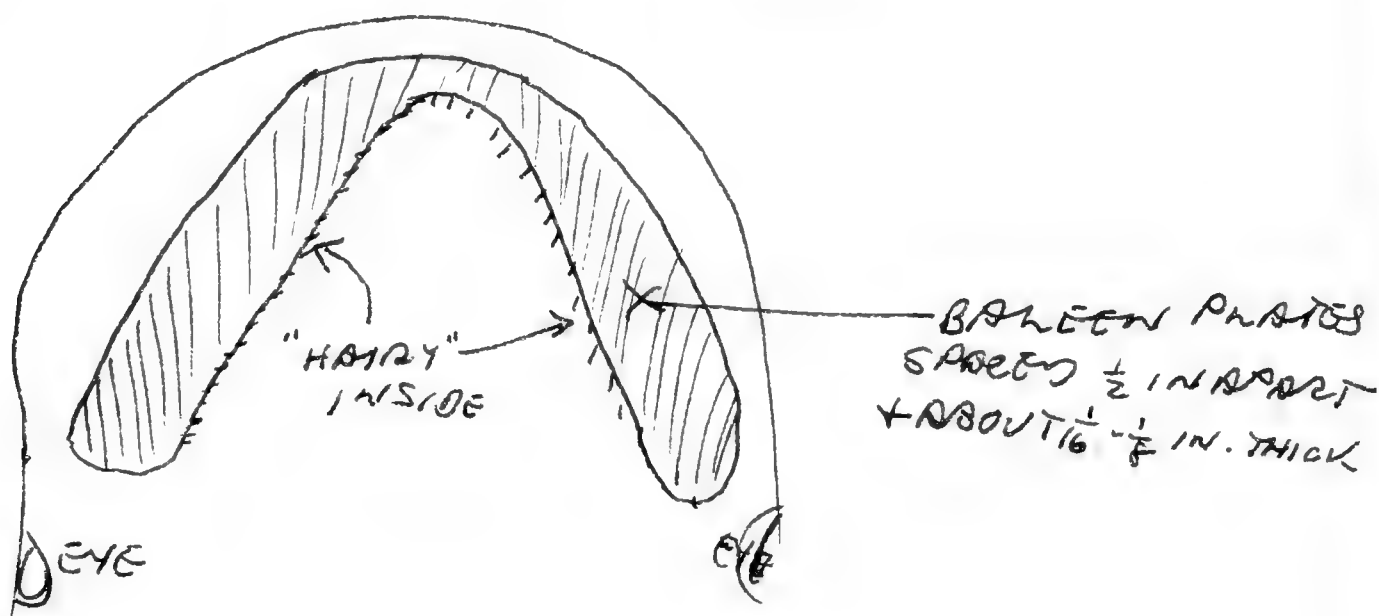
JOURNAL

TAKEN IN VICINITY FREEMAN ISLANDS, SAN FRANCISCO CO., CALIF.

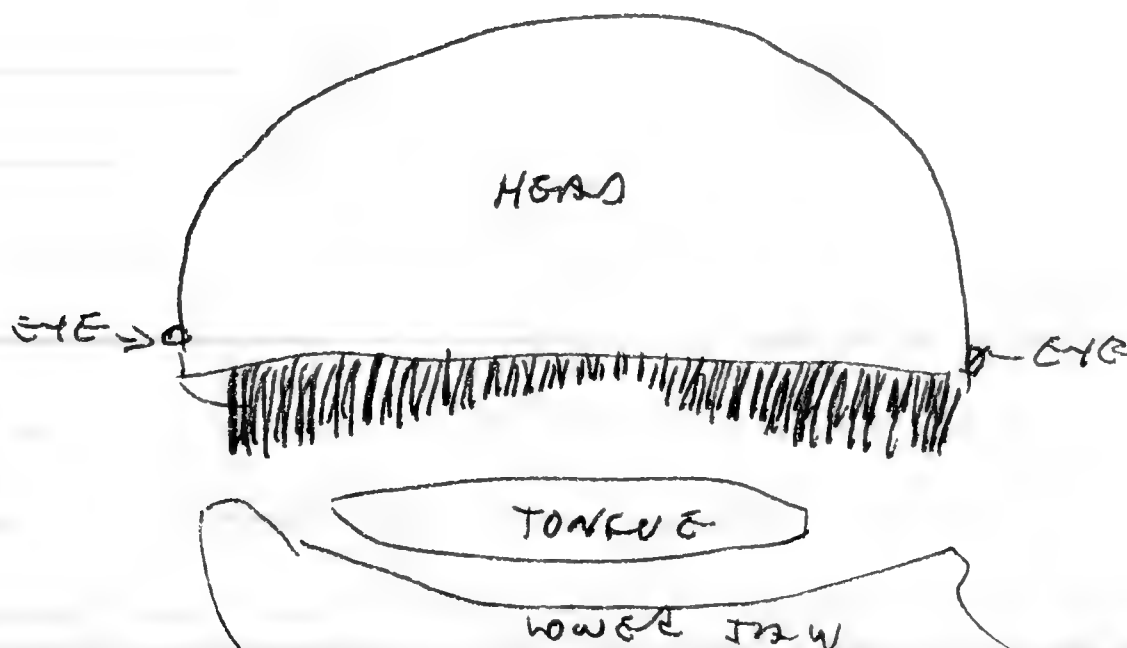
OCT. 31  
(CONT.)

ATTACHED TO SHOWY PEEH THE FAT  
BACK AS MEN CUT IT OFF OF THE BODY  
WITH KNIVES. THE BALEEN PLATE~~II~~ (OF THE  
UPPER JAW ONLY) WAS CUT OFF, CUT INTO  
HANDLE-ABLE CHUNKS & DISCARDED. ALL  
THE REST OF THE WHALE WAS USED EVEN  
THE CLOTTED BLOOD SCOOPED UP FROM THE  
FLOOR.

TOP VIEW OF BALEEN PLATE.



FRONT VIEW OF BALEEN PLATE







A.C. ZIEGLER  
1957

JOURNAL

TAKEN IN VICINITY OF FARALLON ISLANDS, SAN FRANCISCO CO, CALIF.

OCT. 31  
(CONT.)

AFTER BLUBBER WAS PEENED OFF AND WAS BEING CUT UP STRIPS OF MUSCLE DARK RED IN COLOR WERE CUT OFF USING THE CABLE WINCH AGAIN & THESE CHUNKS WERE CARRIED BY FORK-LIFT TRUCK (WITH FORK-LIFTS) TO A BUTCHERING TABLE WHERE 2 "KNIFE & HOOK" MEN CUT OFF 10-20 LB. HUNKS & THREW THEM ONTO THE TABLE FOR TWO MEN WITH BUTCHER KNIVES TO CUT OUT THE BEST LEAN MEAT & THROW INTO WIRE BASKETS IN A COLD (+DIRTY) WATER BATH. GOOD MEAT, BUT A LITTLE MORE FAT WAS THROWN INTO THE BATH ALSO BUT SEPARATED FROM THE BEST MEAT. THE FAT & CONNECTIVE TISSUE WENT TO THE RENDERING PLANT. THE BEST MEAT ABOVE APPARENTLY WENT TO "CALO" DOR & LAT FOOD CO WHILE THE SECOND RATE WAS GROUND UP & WENT TO MINK FARMS. THE LARGER BONES OF THE WHALE SUCH AS THE SKULL, LOWER JAW, ETC WERE SHOVED OR CARRIED BY FORK-LIFT TO A STEAM-DRIVEN SAW SAW BLADE WHICH MOVES BACK & FORTH AND PRESSES DOWN SAWING THRU THE BONE. THE CHUNKS WERE



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1957

JOURNAL

TAKEN IN VICINITY OF CANNON ISLANDS, SAN FRANCISCO CO., CALIF.

Oct. 31  
(1957)

THEN IF THEY WERE STILL TOO BIG THEY WERE TAKEN TO A 4-FT DIA. CIRCULAR SAW AND CUT FINEER THEN RENDERED. THE UTERS, INTERSTINES, BLOOD VESSELS, ETC. WERE ALL CUT UP INTO 3 FT LONG STRIPS WHICH COULD BE HANDLED. RIBS + VERTEBRA WERE SEPARATED WITH THE LONG-HANDLED KNIVES. THE SCAPULA + HUMERUS WERE SEPARATED BY BALANCING THEM ON FORKS OF THE FORK-LIFT + LIFTING THEM SO THAT THEY SEPARATED AS THE MUSCLE WAS CUT BETWEEN THEM. THIS WHALE WAS 44 FT. ♀ A BOAT SIZED ONE BUT FAR FROM THE LARGEST. THE WIDE BEFORE A 50-FOOTER <sup>(MEASURED)</sup> HAD COME IN AND WAS APPARENTLY A VERY BIG ONE. THERE WERE NO OBVIOUS BIG EMBRYOS. NO WORMS IN THE INTESTINE OR STOMACH AS FAR AS I COULD SEE BUT THE MEN SAID MOST OF THE WHALES DID HAVE "TREE-WORMS" IN THE INTESTINES. THE STOMACH CONTAINED THE "TAILS" OF INCH-LONG "SHRIMP" + STUNK. THE MEN, ESPECIALLY THE FOREMAN ROBERT CASBERG WERE VERY OBLIVING IN CUTTING OFF PARTS OF ORGANS OF THE WHALE FOR ME WHEN



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JOURNAL

TAKEN IN VICINITY FAARMON ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31  
(CONT.)

I EXPLAINED I WANTED THEM FOR THE SCHOOL. THEY EVEN PROVIDED CANS & FORMALIN WHICH THEY KEPT ON HAND FOR PRESERVING INTERESTING SPECIMENS. THE OWNER'S SON, CHUCK \_\_\_\_\_, APPARENTLY TOOK ZOOLOGY AT U. C. AND MAYBE SAVED SOME EMBRYOS, ~~UTERINES~~ OVARIES ETC. APPARENTLY SOMEONE ALSO SAVED THE PITUITARY(?) GLAND SINCE ONE MAN SUPPOSEDLY HAS THE JOB OF DIGGING IT OUT OF THE BASE(?) OF THE BRAIN CASE WITH HIS FINGERS. I GOT PIECES OF HEART, ESOPHAGUS, LIVER, KIDNEY, LUNG, BLOOD VESSELS, BLUBBER & SKIN, ~~ADRENAL~~ SPLEEN(?), BOTH OVARIES, MAMMARY TISSUE, BOTH EYES, HALF THE BRAIN. ALSO GOT BRACHYCEPHALUS WITH "RABBIT-EARS" SHELLLESS BRACHYCEPHALUS ATTACHED FROM THE HUMPS ON THE LEADING EDGE OF THE FLIPPERS AND FROM THE SKIN OF THROAT & CHEST. ALSO THE FOREMAN CUT ABOUT A FOOT TO CROWN SIDE OF THE ANUS(?) AND GOT ME THE PELVIC BONES. ALSO SAW SOME BRACHYCEPHALUS & WHITISH SCARS FROM BRACHYCEPHALUS ATTACHMENTS ON THE EDGES OF LOWER JAW. I WONDERED IF THE HUMPS ON THE



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1957

JOURNAL

OCT. 31  
(CONT.)

TAKEN IN VICINITY FARALLON ISLANDS, SAN FRANCISCO CO., CALIF.  
LEADING EDGES OF THE FLIPPERS, <sup>ON</sup> ~~WHERE~~ THE BANDAGES WERE GROUND, WERE THE RESULT OF THE BANDAGES BUT THE FOREMAN SAID THE HUMPS WERE NATURAL AS THEY COULD BE SEEN IN EMBRYOS. I ALSO COLLECTED THE CAPSAD "LICE" CLUSTERED AROUND THE BASES OF THE RINNARDS. THERE MUST SUBSIST ON IN VERTERATE MATERIAL SINCE ITS NOT CONCEIVABLE THAT THEY COULD GET ANY BLOOD FROM WHALE THRU THE THICK SKIN OR EVEN ANY SUBSTANCE FROM THE BLUBBER. THE GROOVES ON THE THROAT & CHEST DID NOT SEEM TO ACT AS PLEATS AS IN AN ACCORDION BUT RATHER KEPT THEIR GROOVES SHAPE EVEN WHEN THE SKIN WAS COLLAPSED & FLABBY. THE BLOWHOLE(S) WERE NOT SEEN. THE EYE WAS SMALL GRAPEFRUIT SIZE - I LOOKED FOR PARASITES INSIDE THE EYELID BUT SAW NONE. NO HAIR WAS VISIBLE ON ANY PART OF WHALE. THE WHOLE OPERATION OF CUTTING UP THE WHALE WITH A 20-MAN CREW APPARENTLY TAKES ABOUT 15 HOURS - VARYING OF COURSE WITH SIZE OF WHALE. TODAY WAS THE LAST DAY OF SEASON FOR ANY.





A.C. ZIEGLER  
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TAKEN IN VICINITY OF FARALLON ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31  
(CONT.)

THING EXCEPT SPERM WHALES WHICH MAY BE TAKEN FOR ANOTHER MONTH. THE BOSS CHUCK HAS SAVED THE SKULL OF A RARITY, A "GOOSE BEAK" WHALE, WITH 2 TEETH IN THE TIP OF THE (LOWER?) JAW. I DID NOT SEE THIS HOWEVER. I COULD NOT FIND OUT WHAT WAS DONE WITH THE TEETH OF SPERM WHALES BUT MAYBE THEY WERE SOLD FOR IVORY. I ALSO SAW THE LOWER JAW OF A SPERM WHALE WAITING TO BE BOILED OUT TO HAVE THE TEETH REMOVED. THE REAR-MOST TOOTH WAS PROTECTED ONLY AN INCH ABOVE THE GUM LINE & WAS ABOUT LITTLE-FINGER-SIZE IN DIAMETER. I WAS SURPRISED TO SEE THAT IT WAS SLIGHTLY MOVABLE WHEN TWISTED RATHER THAN BEING SOLIDLY FIXED. GOT A PROMISE OF A WHALE VERTEBRA FROM A FELLOW AT THE RENDERING PLANT IF HE GETS A CHANCE TO BOIL ONE OUT SO LET MY TELEPHONE NUMBER & SAID WE WOULD TAKE ANY WHALE BONES THAT HE MIGHT WANT TO BOIL OUT. THE LOWER JAW OF THE HUMB-BACK WHALE APPARENTLY IS NOT OSSIFIED



A.C. ZIEGLER  
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TAKEN IN VICINITY OF FALCON ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31  
(CONT.)

AT THE TIP SINCE A LONG-KNIFE WAS USED TO CUT THRU THE SYMPHYSIS. THERE WAS SOME DISAGREEMENT AS TO THE NUMBER OF "STOMACHS" - 2 TO 5 ~~WAS~~ THE RANGE OF OPINIONS - I COULDN'T TELL MYSELF. FOREMAN'S NAME WAS ROBERT CASEBEER & HE WAS MOST HEARTFUL. ADDRESS IS DEN MONTE FISHING CO., POINT SAN PABLO, SAN PABLO, CALIFORNIA. & PHONE # BERSON 2-1000. ALL MATERIAL FROM THIS 44 FT. ♀ HUMPBREK GIVEN # 944. ALSO PICKED UP 2 PIECES OF BALEEN FROM ANOTHER HUMPBREK & THESE GIVEN # 945. PIECES OF 944 WENT TO VARIOUS PEOPLE IN L. S. B.

THE KILNER BOAT WAS TUG BOAT-SIZED OR A LITTLE LARGER & EQUIPPED WITH A HARPOON GUN. THE HARPOON, AS FAR AS I COULD MAKE OUT WAS ABOUT 4-5 FT. LONG WITH FOLDING BARBS WHICH OPENED IN THE WHALE WHEN TENSION WAS PUT ON CABLE. APPARENTLY A FUSE WAS LIT TO EXPLODE A CAP WHICH THEN BLEW UP A CANNISTER OF BLACK POWDER ON THE VERY HEAD OF THE HARPOON. THIS CANNISTER COVERING THEN SHRAPNELED INSIDE THE WHALE



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TAKEN IN VICINITY OF FISHHAWK ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31  
(CONT.)

+ KILLED IT. AN OLD-TIMER WHO USED TO WORK AT THE TRINIDAD, CALIF. STATION TOLD ME OF THE ~~FUSE~~ HIT FUSE EXPLODING THE CAP BUT I DON'T SEE HOW THERE COULD BE A HIT FUSE INVOLVED. MORE LIKELY THE CAP IS EXPLODED BY ELECTRICITY OR BY SOME SORT OF A BLOW AS THE BARBS OPEN OR SOMETHING. THE WHALE WAS NOT INFLATED WITH AIR TO HELP FLOAT IT AS FAR AS I COULD SEE. MEN WORKING ON THE DEAD WHALE & SHIPDECK FLOOR WORE BOOTS WITH SPIKES MUCH LIKE LOGGERS CONKING BOOTS.

THE MEN TOLD ME THIS WAS NOW THE ONLY ACTIVE WHALING STATION IN THE U.S., (SINCE TRINIDAD CLOSED YEARS AGO.) BUT THAT THERE WAS ANOTHER ONE ~~AT~~ BRITISH COLUMBIA. DEL MONTE USUALLY RUNS 2 SHIFTS OF MEN BUT NOW NEAR THE END OF SEASON MANY MEN HAS FOUND OTHER JOBS & THEY WERE DOWN TO 1 CREW ONLY.



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ZANGBEE RANCH, 3.8 MI. W STANFORD, LASSEN CO., CALIF.

Nov. 4

PUT UP FOR MUSE<sup>ON NOV 8,</sup> A PORCUPINE  
SHOT BY DR. BENSON ON RECENT GORRER-  
TRAPPING TRIP TO VICINITY SUSANVILLE,  
LASSEN CO., CALIF. A.C.Z. #946 + ~~ADULT~~ SKULL  
(DOWN TO CHAWS). WARD RUSSELL NOTICED UPON  
CLEANING SKULL THAT IT HAD A FRESH  
BREAK ON SIDE OF LOWER JAW AND ALSO  
AN OLD INJURY TO THE SUPRAORBITAL  
REGION WHICH SHOWED BONE SPIKES BEING  
DEPOSITED TO CLOSE THE WOUND. DR. BENSON  
SHOT THE ANIMAL THRU THE BODY AND  
SAID IT SEEMED TO <sup>HAVE</sup> BEEN WOUNDED BEFORE  
HE SHOT IT. MAYBE HID BY CAR TWICE.  
DR. BENSON SAID ANIMAL KEPT ITS  
BACK TOWARD HIM AS HE APPROACHED  
AND THAT IT WAS DIFFICULT TO GET  
A GOOD SHOT AT ANY OTHER SPOT BESIDES  
THE RUMP. THE TAIL WAS KEPT LOW  
APPARENTLY. FOUND 1 LIVE TICK AMONG  
THE SPIKES WHICH CAME OUT WHILE  
SKINNING ANIMAL. DR. B. THOT COAT WAS  
PRIME. WARD THOT ANIMAL SMALL BUT  
SEEMINGLY NOT TOO YOUNG A ONE.  
ESCARBONS PUT IN BOVINS & GIVEN TO PINK  
PERRY OF V.C. ZOO. DEPT. I NOW HAVE QUITE  
A BIT OF RESPECT FOR THE QUINNS AFTER SEEING  
THE GREAT # OF THEM + THE CARE WITH WHICH  
THEY CAN IMBED - ALSO THE CARE WITH WHICH THEY ~~HAVE~~ BEEN.





A.C. Zeeb  
1957

JOURNAL

LAB ANIMAL FROM DIABLO ANIMAL LAB, BEVERLY, ALAMOSA CO., CALIF.

NOV. 16 PUT UP 1 RATTUS NORVEGICUS (LONG-LEANS STRAIN) TO SHOW DR. A.W. COLEMAN AT SAN FRANCISCO THE PROCEDURE. HE THEN PUT UP ~~RATTUS~~ (NO #) AND GAVE IT TO ME. DR. COLEMAN HAD BOUGHT 4 RATS (AT \$1.90 EACH!) TO LEARN THE TECHNIQUE. HE LEFT THE OTHER TWO WITH ME TO KEEP 'TIL HE CAN COME OVER AGAIN & PRACTICE. ALL ANIMALS WERE ADULT MALES.

DEC 18 LAB ANIMAL FROM U.C. L.S.B. RAT LAB, BEVERLY, ALAMOSA CO., CALIF.

TURNED IN THE ABOVE 2 LIVE RATS TO LAB ON 5<sup>TH</sup> FLOOR, L.S.B. A WEEK OR SO AGO. THEY GAVE ME TWO YESTERDAY IN RETURN. DR. COLEMAN SKINNED 1 (#3 R.C.) & I KILLED & FROZE THE OTHER FOR FUTURE WORK BY DR. COLEMAN. THE SURVIVOR RATS WERE GIVEN TO ME FOR ANY USE.

~~Dec. 21~~ W END ELK VALLEY, 10<sup>+</sup> TO 75<sup>+</sup> FT., MARIN CO., CALIFORNIA.

DEC. 22 DROVE OUT ROAD CALLED TENN. VAL. RD. <sup>ON DEC. 21</sup> PAST SEVERAL "ABSOLUTELY NO RE-ENTRY" SIGNS & GATES TO A LOCKED GATE ABOUT 1 TO 1½ MILES UP THE VALLEY FROM THE OCEAN. PEOPLE ALONG ROAD SAID IT WAS A COUNTY ROAD & OTHER RESIDENTS HAD NO RIGHT TO PUT UP KEEP OUT SIGNS. AT LOCKED GATE, HOWEVER, GOT KEY FROM



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WENDEN VALLY, 10<sup>±</sup> to 75<sup>±</sup> FT. MARIN CO., CALIF.

DEC. 22 HOUSE BEFORE IT \* TALKED TO MR MARTIN  
(OWNER) WHO LEASED LAND FROM OATE TO OCEAN  
FROM A MR WITTER OF SAN FRANCISCO WHO  
BOUGHT LAND FROM MARTIN SOME YEARS  
AGO FOR USE AS HUNTING CLUB. MARTIN  
SAID O.K. TO NEAR AS DID ALSO MR.  
WITTER WHO I MET ~~AT~~<sup>THIS</sup> A.M. CATTLE  
GRAZED ON LAND BUT DID NOT SEEM  
ESPECIALLY OVERGRAZED. FAR W END OF  
VALLY ABOUT 200 YDS UP FROM OCEAN  
HAD BEEN DAMMED FOR WAREHOUSK  
LAKE. A FEW TULEB OR BUNCH GRASS  
ON W SIDE OF DAM BUT FLOODED TO 100  
2 INCHES OF WATER. SET 100 MUS SPECIES  
IN DUG-OUT CENTERS OF BUNCH GRASS  
FROM 75<sup>±</sup> FT. ABOUT A MILE UP FROM  
OCEAN TO THE FLOODED BUNCH GRASS  
BELOW DAM. GOT Sorex, Peromyscus,  
Microtus, Reithrodontomys, Perom. maniculatus  
+ MUS. RAINED FOR PAST FEW DAYS  
+ SOME FIELDS HAD WATER JUST BELOW  
SURFACE. GATHER MOUNDS NOTICED BUT  
NO FRESH WORKINGS. RAIN STOPPED  
EVEN<sup>DEC. 21</sup> A.M. ABOUT 4:00. + I SET OUT  
TRAPS JUST AFTERWARDS. MANY TRAPS  
SPRUNG + DARNED - RABBITS? SAW COON  
(?) TRAILS ON EDGE OF BURNED. FOUND DEAD



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W END ELL VANNER, 10<sup>+</sup> TO 75<sup>+</sup> FT, MARIN CO., CALIF.

Dec 22  
(cont.)

PINNIPEDS ON BEACH WITH CAUSAL CRANIUM  
(ZANADUS? or EUMETAS?). BIRDS: MOURN  
GOLDEN EYE?? COO, CROW, 4 SNIPES, RUSSET DUCKS,  
FOX SPARROW, JUNCOS, GULLS(?), OWL (HOOTING).  
Ran 30<sup>+</sup> TRAPS IN BUNCH GRASS AT 75<sup>+</sup>  
FT. AT 10:30 PM + TOOK OUT SEVERAL  
EACH MICROTUS, P. MANICULATUS, REITHROD  
+ 2 MUS. CENTERS OF OLD OR MATURE  
BUNCH GRASS CLUMPS HAD WELL-WORKED  
EARTH + MANY ISAPDS + EARTH WORMS  
SO, IT IS EASY TO SEE HOW NEUROTRICHUS  
COULD MAKE A LIVING IN THEM. I  
CAUGHT MANY REITHROD IN THESE OLD  
CENTERS — MAYBE THERE HAVE TO BE  
TRAPED OUT TO GET THE NEUROTRICHUS  
SAW HOUSE CAT WORKING FIELDS. IN ONE  
10' X 10' SHADE AT 75<sup>+</sup> FT. WITH BUNCH GRASS +  
RUS CAUGHT 4 P. MANICULATUS, 2 MUS  
2 REITHROD + 2 OR 3 MICROTUS IN ABOUT  
12 TRAPS RUN TWICE. I SET EXTRA HEAVY  
RIGHT HERE BECAUSE OF THE LARGE NUMBER  
OF HOLES + RUNS. FOUND PART OF LOWER  
JAW + HADES, IT WAS ELL BUT APPARENTLY  
ONLY BOG. PARTS OF A FEW SPECIMENS SAVED  
FOR PRACTICE IN MICROTECHNIQUE. NONE GIVEN  
COLLECTOR #S. LOCALITY IS IN TIS, RGW + IS  
SHOWN ON USGS TOPO TAMALPAIS ED. 1897, REPR. 1922.



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W END ELD VALLEY, 10<sup>±</sup> TO 75<sup>±</sup> FT., MARIEN CO., CALIF.

Dec. 28 GOT HERE LATE IN AFTERNOON <sup>Dec. 27.</sup> SET OUT  
125 TRAPS IN 3 LOCATIONS AND IN BUNCH  
GRASS CLUMPS AND A FEW IN RUNS OUT  
OF BANK SIDE BESIDE STREAM. RAN THEM AT  
8:00 AM TODAY & GOT 8 Sorex ~~valleyensis~~ <sup>valleyensis</sup>,  
7 or 8 Peromyscus maniculatus, 1 MUS, 5 or 6  
Reithrod & 5 or 6 Microtus. NOT TOO  
MANY TRAPS DROPPED BUT MANY SPRUNG  
WITH NOTHING IN THEM. LIGHT RAIN FROM  
2 or 3 AM STOPPED ABOUT 8:00 AM. &  
BEGINNING AT 1:00 PM AGAIN. FOGGY &  
OVERCAST BUT NOT TOO COLD. Microtus,  
Reithrod & Peromyscus SEEM A LITTLE  
MORE SCARCER THAN LAST WEEK. Sorex  
MORE ABUNDANT. AND SPECIMENS WET SO  
<sup>ONLY 3</sup> ~~none~~ SAVED AS STUDY SKINS, <sup>LEFT AS SKIN SPECIMENS</sup> SAW 2 DEER  
& 1 JACKRABBIT LAST NITE.

SET OUT 75 MORE MUS. SPECIES BETWEEN  
10:AM & NOON IN TWO MORE LOCATIONS  
— 1 BELOW THE DAM & OTHER UP THE  
STREAM & CANYON N OF MARTIN'S HOUSE.

HAD QUICK LUNCH & RAN AND TRAPS BETWEEN  
1 & 4 P.M. — MADE 2 SETS OF 4 MARLBEE GORGE  
TRAPS IN COW PASTURES NEAR LAKE. ALSO  
SET 2 RAT TRAPS IN WILLOWS BESIDE STREAM  
BAITED WITH MOUSE BODY. HEARD A DEAD SONG  
Sparrow CAUGHT IN ~~AT~~ MUS. SPECIES ABOVE





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Dec 28  
(CONT.)

Went Elk Valley, 10 $\pm$  to 75 $\pm$  ft., Marin Co., Calif.  
ONE RAT TRAP + SCATTERED FEATHERS ABOUT.  
MICROTUS ARE NOT AS SCARCE AS LAST  
WINTER'S RESULTS SEEMED TO SHOW. GOT 15  
OR 20 IN TRAPS. ALSO 1 OR 2 P. MANICULATUS  
AND 9 MORE Sorex <sup>VAGRANS</sup> ~~FLORIDUS~~. RAN  
30 TRAPS IN MEADOW AT 50 $\pm$  FT., AND  
25 MORE AT 75 $\pm$  FT. TWICE. 50 TRAPS  
SET IN THICK BUNCH GRASS HIGHER  
ON SLOPES IN VALLEY GAVE DISAPPOINTING  
RESULTS - ONLY 2 MICROTUS OR TWO +  
A PEROMYSCUS. PICKED UP 15 UNPRODUCTIVE  
TRAPS FROM VARIOUS LOCATIONS + SET  
THEM UP STEEP SLOPE JUST TO N OF  
LOCKED GATE WHERE I AM CAMPING,  
SET IN SAWGRASS, BUNCHGRASS + DEAD  
FERN CLUMPS. SOME MICROTUS WERE  
IN EVIDENCE IN THIS SPOT + AN UNDER-  
GROUND RUN OR TWO FOUND. STILL  
DRIZZLING AT 5:00 PM.

FROM 9:30 TO 10:00 PM RAN 15 TRAPS N OF LOCKED  
GATE - SAW ABOUT 10 OF THEM + GOT ONLY A COUPLE OF  
MICROTUS + A COUPLE OF P. MANICULATUS, AND RAN TRAPS  
AT 75 $\pm$  FT. IN 20 OF THEM HAD 4 OR 5 PEROMYSCUS,  
3 OR 4 P. MANICULATUS, 1 MUS, AND 1 Sorex  
<sup>VAGRANS</sup> ~~FLORIDUS~~. ALL OF REST EXCEPT 1 WERE  
SPRUNG. STILL DRIZZLING. OWL HAS BEEN HOOING  
SINCE DUSK. HOO HOO HOO. A COUPLE OF  
MINUTES BETWEEN SETS OF HOOING.



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WENO END VAMPIRE, 10<sup>±</sup> to 75<sup>±</sup> FT., MARIN CO., CALIF.

Dec. 28

RAN + PICKED UP ANH YEARS (EXCEPT LEFT 25 AT 75<sup>±</sup> FT.) BETWEEN 8 AND 10 AM. GOT 5 ~~more~~ <sup>VABBANS</sup> ~~SOREX TRAUERHOFFI~~, NO MUS, 6 or 8 REITHRODUS, 8 or 10 MICROTUS or more AND 1 NEUROTRICUS. GOT NEURO. BELOW DAM - THESE TOOK ALSO MICROTUS + PEROMYSCUS BUT NO REITHRO + NO SOREX. ALSO THESE GOT 2(?) TARICHA LAST NIGHT + 1 THIS MORNING. ALSO A "BOYANA" SLUG. HAD NO ANIMALS IN 40<sup>±</sup> YEARS SET IN BUNCH GRASS CLUMPS AT ABOUT 50<sup>±</sup> FT. IN COW PASTURE ALTHO I WOULD HAVE EXPECTED MANY. DID SEE ACTIVE MICROTUS RUNS THERE. CATS<sup>(?)</sup> PULLED SOME NEARBY YEARS + ATE CONTENTS. SAW TWO CATS THERE THIS A.M. SO GUESSED IT WAS THEM. GOT GARDNER NEARBY AT 50<sup>±</sup> FT. AT 12:45 PM. RERAN THE 25 YEARS AT 75<sup>±</sup> FT. GOT (SMALL?) SOREX <sup>VABBANS</sup> ~~TRAUERHOFFI~~ A COUPLE OF PEROMYSCUS + A YOUNG MICROTUS. LEFT FOR HOME AT 1:15 PM. SKY OVERCAST BUT ASIDE FROM DRIZZLE MOST OF LAST NIGHT THIS A.M. WAS DRY AND NOT TOO COLD. CAUGHT A SMALL ENSATINA CRAWLING ABOVE GROUND ALONG NEARLINE JUST N OF LOCKED GATE IN VERY WET SANDGRASS, BUNCH GRASS + FEEN CLUMP. AT ABOUT 8:30 AM TODAY. GIVEN TO TIM ANDERSON, MUSE.



P. L. Fitcher  
1957

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Dec. 29  
(cont.)

W end Elk Valley, 10<sup>±</sup> to 75<sup>±</sup> ft., Marin Co., Calif.

THE SPECIMENS SAVED FOR MVZ (WITH EXCERPTS<sup>2</sup>  
OF THANOMYS) HAD BEEN INTERFERED WITH BOON'S  
FLUID TO PRESERVE THEM AFTER WEIGHING. THIS  
FLUID HARDENED THEM QUITE A BIT SO THAT SOME  
LENGTHS MAY BE A BIT SHORTER THAN IF THE  
SPECIMEN HAD BEEN FRESH. WHATEVER THE DIFFERENCE  
(AND IT SHOULD NOT BE TOO GREAT) IT WILL BE THE  
SAME FOR ALL THESE PRESENT SPECIMENS.

4.5 mi. E, 6.5 mi. S SAN BENITO, SAN BENITO CO., CALIF.

Dec. 30

PUT UP (ON JAN 3, 1958) A ♀ PEROMYSCUS MANICULATUS  
FOR PERSONAL COLLECTION TRAPPED BY WMZ. LIDICKER  
OF MVZ ON TRIP OVER THE HOLIDAYS. SEE HIS NOTES  
FOR HABITAT, ETC. DATA. HE GAVE LOCATION FROM  
ROAD MAP. NO ELEVATION. GOT 2 FROM HIM - GAVE  
ONE TO PETE SCHRAMM, MVZ. DR. LIDICKER PUT  
UP SOME OTHER MAMMALS CAUGHT ON TRIP TO GO  
INTO MVZ. ~~I THINK~~.

END 1957 JOURNAL



Ziegler, A. C.  
Aug.-Dec., 1957  
Species Accounts  
Mammals





A.C. ZIEGLER

1957

(THIS PAGE  
TRANSCRIBED  
FROM ORIGINAL  
NOTES)

DIDELPHIS VIRGINIANA

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

COOT'S:  
AUG. 9

BRIAN K. McNAB CAUGHT A YOUNG ONE ABOUT  
10" TOTAL LENGTH IN A LARGE SHERMAN LIVE  
TRAP PLACED UNDER A LEANING TREE TRUNK  
IN BAY THICKET ABOVE THE CREEK. EXACT  
SPOT WAS JUST BELOW THE FIRE ROAD BEHIND  
THE BOTANICAL GARDENS WHERE THE FIRE ROAD  
MAKES A HORSESHOE BEND AS IT STARTS  
CLIMBING UP THE SOUTH SIDE OF CANYON.

— PUT UP SEPT. 21, BY R.E.Z. #943.



A.C. ZIEGLER  
1957

Sorex AERIFCUS

POUNDER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 27 - ~~30~~<sup>29</sup> 407, 1 ♀ CAUGHT HERE AM WITHIN 100 FT. OF EACH OTHER UNDER 3-4 FT. HIGH WILLOWS WITH ROOT-HIGH SCOUT IN ~~FLAT~~ NEXT TO OUR CAMP. GROUND DAMP WHERE CAUGHT BUT NOT SOAKING WET. TRAPS NEXT TO WATER STANDING IN LOW SPOTS DID NOT CAUGHT THEM. ANIMALS CAUGHT BOTH DAY & NIGHT. OTHER MAMMALS CAUGHT IN SAME HABIT WERE Microtus LONGICAUDUS & Peromyscus MANICULATUS(?). JUNCOS & A CAHNERAS(?) WARBLER CAUGHT HERE ALSO. 207 CAUGHT IN SAME TRAP 12 HOURS APART. ♀ WAS WHISTLING BUT NO MACROSCOPIC SIGNS OF SEARS WERE EVIDENT ALTHO STOMACH WAS SWOLLEN



A.C. ZIEGLER  
1957

Sorex paucis

Poker Flat, 5000 FT., 12 MI. NW HARRY CAMP, SISKIYOU CO., CALIF.

AUG. 27 | 1 IN SHERMAN LIVE TRAP AT NIGHT SET UNDER  
WILLOWS OVERHANGING THE PEBBLY BANKS OF A 3-FT. WIDE  
SWIFT STREAM. MEADOW SURROUNDED SAT WHERE  
CAUGHT. TRAPS ~~SET VIA~~ (BOTH MUS. SPEC. & MORE  
LIVE TRAPS) SET ALONG STREAM BED ON ROCKS &  
UNDER OVERHANGING BANKS DID NOT TAKE THEM  
IN 4 NIGHTS TRAPPING. DR. BENSON TOOK 3 IN  
GRASSIER SPOTS THAN MINE ALONG STREAM.  
ANIMAL WAS DEAD IN TRAP - TAIL & HINDQUARTERS  
WET - REST DRY.

BUTT CREEK, <sup>4300± FT.</sup> 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 4 | 1 IN MUS. SPEC. SET BESIDE SCORP AT  
SPOT WHERE SIDE BRANCH OF MAIN CREEK  
FLOWS OVER & THRU OLD BEAVER DAM. TRAP  
SET ON MOSSY BRANCH WITH WATER TRICKLING  
ON BOTH SIDES. ONLY 1 TAKEN DURING STAY  
HERE. Sorex paucis, Neotrichus, Microtus sp.  
& Peromyscus TAKEN NEARBY.



A.C. ZIEGLER  
1957

SOREY NOWBRIDGE

(13)

BRUSH SHANTY CAMP, <sup>3700<sup>±</sup> FT.</sup> T. 12N, R. 5E, SEC. 13, Siskiyou Co., Calif.

AUG 22 DR BENSON GOT 1 BESIDE LOG 2 FT.  
FROM CREEK IN WET GULCH AT ABOUT 10:30  
PM.

AUG 23 DR. B. GOT 1 MORE APPARENTLY ON  
DRYER GROUND THAN THAT OF LAST NIGHT.  
I GOT 1 TAIL OF PROBABLY THIS SPECIES  
BESIDE LOG IN FIRS, DOUGLASS & SCRUB OAK.

AUG 23 (CONT.) ENK VANEY GUNN SDA, <sup>4300<sup>±</sup> FT.</sup> T. 14N, R. 4E, SEC. 23, DE NORTON CO., CALIF.

1 IN MUS SPEC. IN TANK BEANS ON WET GROUND  
BESIDE ROAD AT ABOUT 7:00 PM.

AUG 24 1 ON DRY GROUND AGAINST BIG LOG 10 FEET  
FROM POND ~~IN A SIDE BRANCH OF~~ OF STILL WATER.  
SNOUT BADLY EATEN BY INSECTS. ALSO 1 IN WIRE MESH  
(BAGS) IN GRASSY PATCH ON SLOPE BESIDE WILLOW  
CRAB IN MEADOW, 150 FT. FROM STREAM.

POLAR FLATS, 5000 FT., 12 MI. NW HARRY CAMP, SISKIYOU CO., CALIF.

AUG 29 1 ♂ IN MUS. SPEC. WITH WANNERS ALONG GRASSY  
EDGE OF SWIFT-FLOWING STREAM.

AUG 30. 1 ♀ LATERAL BUT WITH UTERUS SHOWING NO SCARS  
TAKEN UNDER BUSH ON BANK HILLSIDE BACK AT  
EAST END OF MEADOW. THIS SAYS AT FAR END OF  
FLATS FROM OUR CAMP.

SUPPER RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY C.R.P.O., SHASTA CO., CALIF.

SEPT. 1 1 WITH CRUSHED SKULL IN LITTER IN DOGWOOD-MAXWELL-  
ANDER THICKET BESIDE LITTLE.





A.C. ZIEGLER  
1957

Sooty Newborns

(2)

BUTT CREEK <sup>Y300 ± FT.</sup> 8 MILES INSIDE, PLUMAS CO., CALIF.

SEPT. 4 1 DEAD IN LIVE LEAF UNDER BUSH ON SLOPE WITH CONIFERS + FLOWING LOGS BUT LITTLE LITTER OR HUMUS.

WEND ELL VALLEY 10 ± FT., MARIN CO., CALIF.

DEC. 12 ONLY 1 TAKEN - THIS JUST BELOW DAM ON EDGE OF ROCK IN BUNCH GRASS FIELD. BUNCH GRASS VERY THICK - FORMING SOLID COVER. MANY SAWDUST HERE BELOW THE LAKE.

DEC. 29 1 TAKEN IN VALLEY TODAY - MIXED WITH A BUNCH OF S. VAGRANS SO I DON'T KNOW EXACTLY WHAT SPOT IT CAME FROM BUT IT HAD TO BE FROM WET GROUND IN OR AMONG BUNCH - AND SAWDUST CHUMPS.



A.C. ZIEGLER  
1957

SOREX VAGRANS

BUST CREEK, <sup>4300 $\pm$  FT.</sup> 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3-5 DR. BENSON TOOK 3 ON 3<sup>RD</sup> DURING NITE IN MICROTUS RUNS IN SCOOB, IN DAMP TODAY MEADOW. I GOT NONE THE 3<sup>RD</sup> BUT DID GET 1 IN DRY MEADOW SCOOB ~~AT~~ BETWEEN 8:00 AM & 11:30 PM ON THE 4<sup>TH</sup>. ALSO NEXT AM FOUND 3 IN TRAPS IN WILLOWS & SCOOB. SAME TRAPS HAD NOT TAKEN ANY VAGRANS THE NITE ~~BEFORE~~ AND DAY BEFORE. SOME OR ALL OF THESE WERE YOUNG.

WENO ELK VALLEY, 10 $\pm$  TO 75 $\pm$  FT., MARINE CO., CALIF.

DEC. 28-29 23 TAKEN THESE TWO DAYS ON WET GROUND IN & AMONG BUNCH- & SAWGEARS CLUMPS. MOSTLY MALES. MANY WERE TAKEN DURING DAY AS I RAN TRAPS SEVERAL TIMES. ABOUT 15 WERE TAKEN AT 75 $\pm$  FT. (WHERE I GOT NONE THE WEEKEND BEFORE) IN THE 75 $\pm$  FT. TRAPS GOT RETTARDOS, PEROMYSCUS MANICULATUS & SOME MICROTUS AT NITE; A FEW PEROMYSCUS & MICROTUS IN DAYTIME. SOREX BOTH TIMES. 3 OF THE 23 WERE PUT UP AS STUDY SKINS AFTER BEING WEIGHED & INJECTED WITH BOVINE FLUID. OTHERS WERE WEIGHED, INJECTED, MEASURED, SEXED & SAVED AS "SKULLS ONLY" FOR POSSIBLE USE IN MUSE AS ARE CLASS SERIES. THESE ALL SEEMED BIG FOR VAGRANS BUT DR. BENSON POINTED OUT LIGHTER UNDERSIDE & TAIL OF ABOUT 40 OR LESS MM. S. TOWNBRIDGEI IS DARKER BELOW & HAS 45 $\pm$  MM. TAIL.



A.C. ZIEGLER  
1957

NEOTOMICHUS GIBBSI

4300 $\pm$  FT.

BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

Sept 4

1 IN MUS SPEC (SKULL CRUSHED) BETWEEN 7:30 AM  
+ 11:30 PM UNDER TANK SARGE ON DAMP GROUND ON  
SMALL ISLAND IN WILLOW-SEDGE MEADOW.  
ANIMAL WOULD HAVE HAD LITTLE TROUBLE  
GETTING ON OR OFF ISLAND SINCE SARGE +  
WILLOW BRANCHES PROVIDED BRIDGES. OTHER  
SPECIES TRAPPED IN IMMEDIATE AREA WERE  
Sorex vagrans, Microtus longicaudus, Peromyscus  
maniculatus, Zapus princeps + Sorex  
palustris.

WENO CREEK VALLEY, 10 $\pm$  FT., MARIN CO., CALIF.

Dec. 29

1 ♀ IN THICK BUNCH - + SAW GRASS BELOW CAN  
WHERE GROUND WAS MOSTLY FLOODED UP TO SURFACE  
OR AN INCH OR SO BELOW. HARD TO SEE HOW ANIMALS  
COULD USE EXTENSIVE TUNNEL SYSTEM IN THIS AREA.  
TRAPED JUST NEXT TO GRAVEL ROAD 5 FT. ABOVE  
MARSH - DRY HILLSIDE WITH BRUSH ON OTHER SIDE  
OF ROAD. IN THIS MARSH - ROUGHLY 75 YDS WIDE  
+ 100 $\pm$  YARDS LONG - GOT SEVERAL Microtus  
+ 4 OR 5 Peromyscus maniculatus DURING  
NIGHT + DAY. ALSO 3 OR 4 Thrichomys (???) AND  
1 "BANANA" SLUG. LAST WEEKEND GOT A Sorex  
townsendi WITHIN 50 FT. OF THE SHREWMORE.  
ALSO GOT A Reithrodontomys THEN AS I REMEMBER IN  
THIS MARSH. BUNCHES + SAWGRASS FORMS A SOLID COVER  
OVER AREA - LITTER ONLY AT BASES OF GRASS CLUMPS.



A.C. ZIEGLER  
1957

NEUROTRICHUS GIBBSI

WENDEN VANNY, 10<sup>±</sup> FT, MARIN CO., CALIF.

Dec. 29  
(CONT.)

<sup>1944</sup>

DA. BENSON TRAPPED QUITE A FEW SHREW-MOLES IN THIS MARSH OR PERHAPS A HUNDRED YARDS OR LESS UP VANNY WHERE A LAKE EXISTS NOW. ~~UNLESS~~ HE TRAPPED THEM IT MUST NOT HAVE BEEN AS WET AS THE AREA BELOW THE DAM IS AT THE PRESENT TIME - SINCE HE TOLD OF DIGGING IN THE CENTERS OF ~~BASES~~ BUNCH GRASS CLUMPS - NOW THERE SEEMS ONLY TWO AT CENTERS OF CLUMPS. TUNNELS WERE NOTICED IN DRIER SHORT GRASS AREAS TOWARD OCEAN FROM MARSH WHERE BUNCH GRASS CLUMPS WERE ABSENT OR VERY SMALL. THERE PROBABLY BELONGED TO MICROTUS FROM CUTTINGS SEEN IN THEM. BODY IN BOVINE'S FUR. SENT TO DR. C.H. CONNOR, DEPT. ZOOL., UNIV. MO, COLUMBIA MO.





A. C. ZIEGLER  
1957

SCAPANUS

W. END GULF VAMPIRE, 10<sup>th</sup> TO 75<sup>th</sup> ST, MARLIN CO., CALIF.

Dec. 28-29 2 or 3 SURFACE-RAISING TUNNELS SEEN IN  
LOW PASSAGES BUT NONE WAS FRESH. SAW NO  
OTHER SURE SIGN OF MORE WORK ANTHO MUCH  
DIRT-MOUNDING WHICH I TOOK TO HAVE BEEN  
DONE BY THOMOMYS.



A.C. ZIEGLER  
1957

MYOTIS CALIFORNICUS

SUABY RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY CR. P.O., SHREVE CO., CALIF.

~~Dec~~ 31. DR. BENSON SHOT 1 ON ROAD BESIDE LAPOER LAKE.

SEPT. 1

"

THESE BATS SEEM TO FLY LOWER & MAY STICK  
NEAR THE WOODS MORE THAN THE LAPOER BATS  
(LABONNYCERIS + GATEBICUS) WHICH WERE SHOT HERE.



A. C. ZIEGLER  
1957

MYOTIS THYSONOCHUS

<sup>4300±FT.</sup>  
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 SHOT 1 AT DUSK FLYING 15 FT. UP IN MEADOW NEAR WOODS BOGGS. OTHER BATS SHOT IN SAME MEADOW ALONG STREAM WERE EPIDERMIS, LABRONYCHUS, AND MYOTIS VERNIFORMIS. THIS SPECIES LOOKED LIKE A "SMALL" BAT FLYING.

MINE NEAR LUCERNE, LAKE CO., CALIFORNIA

SEPT. 6 1 SEEN WITH OTHER MYOTIS IN OLD MINE TUNNEL AT 2 OR 2:30 AM. DR BENSON & OTHERS HAVE BANNED IN THESE TUNNELS BEFORE.



A.C. ZIEGLER  
1957

LABIONYCTERIS NOCTIVAGANS

<sup>4300± FT.</sup>  
END VANNY QUARTO STA. T. 14N, R. 4E, SEC. 23, OROVATE CO., CALIF.

AUG. 23 DR. BENSON SHOT 1 AT TWILIGHT IN MEADOW  
HOLE.

AUG. 24

"

SUPAN RANCH, 3400± FT., 3 MI. E MONTGOMERY C.R.O., SHASTA CO., CALIF.

SEPT. 1 ~~SHOT~~ 1 AT DUSK FLYING ALONG ROAD BESIDE  
LARGE LAKE. WHITE ON BACK OF THIS SPECIMEN  
NOT TOO EXTENSIVE — GIVING IT RATHER A BLACK  
APPEARANCE.

<sup>4300± FT.</sup>  
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIFORNIA

SEPT. 4 SHOT 1 AT DUSK FLYING 25 FT UP OVER  
MEADOW WITH STREAM BORDERED BY CONIFERS.  
THIS APPEARS A "LARGE" BAT IN FLIGHT. OTHER  
BATS SHOT NEARBY ALONG SAME STREAM EPIDICUS  
MYOTIS THYSONOTES, MYOTIS VENTRIS(?)





A. C. ZIEGLER  
1957

EPITERICUS FUSCUS

SUAGN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTAGNEY CR., P.O., SHASNA CO., CALIF.

AUG 31 SHOT 1 FLYING OVER ROAD BETWEEN LAKE & SMOKY LAKE AT TWILIGHT. VERY FAT ♀ & BIG.

BUTT CREEK, <sup>4300<sup>±</sup> FT.,</sup> 8 MI. S CHESLER, PLUMAS CO., CALIF.

SEPT. 4 DR. BENSON SHOT 1 BROWN CREEK OVER MEADOW. OTHER BIRDS TAKEN ALONG SAME CREEK WERE LABRONYCHUS, MYIUS THYSANOTUS & MYIUS VEXILLIFER(?)



A.C. ZIEGLER  
1957

APLODONIA RUFIA

Poker Flat, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 28 1 ♂ TAKEN BETWEEN 3:00 PM & 10:00 PM IN BURROW SYSTEM ON DRY HILLSIDE ABOUT 25 YDS FROM A SMALL SWIFT STREAM. MUCH DIRT & ROCKS PILED OUTSIDE OF BURROWS. AND THIS MESSIAN WAS DRY. HOLES WERE ABOUT 3-4 IN IN DIAMETER. TAIL WAS #1 STICK. SET HAD BEEN TAKEN IN TWICE DURING PRECEDING DAY & NIGHT & WAS RESET. TAILS LEFT ANOTHER 24 HOURS BUT NO MORE WERE TAKEN IN THIS RUN. SAW SIMILAR HOLES 50 YDS DOWN HILLSIDE IN MORE OPEN HABITAT. SCHUTTLERS SET THERE WERE NOT SPRUNG. SPOT WHERE APLODONIA WAS TRAPPED HAD CONIFERS & DEAD LOGS & BRUSH & A LITTLE GREEN GRASS OR PLANTS. TAIL MEASUREMENT WAS TAKEN FROM CARS AFTER SKINNING. BEFORE SKINNING TAIL SEEMS TO MEASURE MUCH SHORTER.



A.C. ZIEGLER  
1957

SCIURUS DOUGLASSI

BARK SHEDDING CAMP, <sup>3700<sup>±</sup> FT.</sup> T. 12 N, R. 5 E, SEC. 13, Siskiyou Co., Calif.

AUG. 22 CAUGHT 1 IN PAST TRAP WITH APRICOT SET  
ON OPEN GROUND BETWEEN 2 DOUGLAS FIRS  
15 FT. APART. AT ABOUT 2 OR 2:30 PM. SAW  
NO OTHERS IN CAMP BUT DR. BENSON SHOT  
AT A COUPLE OF ONIONS ON FIRE ROAD  
~~THAT~~ INTO THE FOREST.

DR BENSON SHOT 1 NEAR CAMP THIS P.M.

AUG. 25 ENK VANEY GUARD STATION, <sup>4300<sup>±</sup> FT.</sup> T. 14 N, R. 4 E, SEC. 23, DEL Norte Co., Calif.

SAW NONE IN CAMP BUT 1 RAN ACROSS  
ROAD 3<sup>+</sup> MILES OUT OF CAMP AS WE WERE  
ENROUTE TO 4-MILE CREEK.

POKERFLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co., Calif.

AUG. 27-30 DR BENSON GOT 2 OR 3 HERE - ONE EATEN IN  
TRAP BY GOSHAWK. 2 OR 3 OTHERS SEEN  
SEEN AROUND CAMP IN CONIFERS.



A.C. ZIEGLER  
1957

SCIURUS GRISCOMI

AUG 21 BASH SHANTY CAMP, <sup>3700<sup>±</sup> FT.</sup> T. 12N, R. 5E, SEC. 13, SISKIYOU CO., CALIF.  
DR BENSON SHOT 1 ON ROAD THRU FOREST  
LEADING TO THE CUT-OFF TO THIS CAMP.  
ANIMAL HAD WASHES AROUND NECK &  
POSSIBLY SOME SORT OF MARKS.

AUG 25 ELK VANNERY BRACKEN STATION, <sup>4300<sup>±</sup> FT.</sup> T. 14N, R. 4E, SEC. 23, DEER HORN CO., CALIF.  
SAW 3 OR 4 MORE ON ROAD WHILE LEAVING  
CAMP ENROUTE TO 4-MILE CREEK. DR. BENSON  
CLIMBED A 30 FT. FIR TO A NEST <sup>IN TOP</sup> & HALF-WAY  
UP THE TREE THE SQUIRREL WENT THRU BRANCHES  
OF ADJOINING TREES. SAW NONE IN THE MEADOW  
OR IMMEDIATE SURROUNDINGS.





A. C. ZIEGLER  
1957

CITELLUS BOGENYI

BUTT CREEK, <sup>4300 ± FT.</sup> 8 MI. S CHESTER PLUMAS CO., CALIF.

SEPT. 4 I TRAPPED <sup>ABOUT 3:45 PM.</sup> IN SCHIVVOR ON LARGE LOG NEAR  
BASE OF CONIFER SHADE. SEVERAL HOLES 3-4  
IN. IN DIA. SEEN ALONG BOTTOM OF SHADE AT  
EDGE OF MADOW WITH DIRT & ROCKS PILED  
OUTSIDE OF THEM & MAY HAVE BEEN BURROWS  
OF THIS SPECIES. NONE BESIDES THE TRAPPED  
ONE SEEN HERE BUT SEVERAL SEEN ALONG  
ROADS COMING INTO & LEAVING THIS AREA.

HASHLANDS EXPERIMENTAL STATION, MENDOCINO CO., CALIF.

SEPT. 6 SAW 4 OR 5 ON DRIFT SHADES AROUND  
ROCKS OR LOGS DURING MORNING HOURS -



A.C. ZIEGLER  
1957

CITOMUS BOECHERI DOUGLASS

End Vanner Gordo Sta. <sup>4300± ft.</sup>, T. 14 N, R. 4 E, S. 23, DeWitt Co., Calif.

Aug. 24 Dr. BENSON SHOT A YOUNG ONE OUT OF COLONY(?)  
NEAR MEADOW HOME (NOT SAVED). I GOT 1 <sup>ADULT</sup> IN

~~THE~~ SCHUYLER TRAP SET BEFORE A FRUITING  
RUBUS (FRUITIFLORUS?) WHOSE SEEDS SHOWED  
SOME ANIMAL WAS EATING FRUIT. THESE TRAPS  
BAITED WITH ALMONDS & SQUIRREL MEAT.  
ANIMAL CAUGHT SOMETIME IN AFTERNOON &  
BEFORE 7:00 PM.

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

Aug 27-30 Dr. B. TRAPPED 2 MORE - NONE SEEN BY MYSELF.  
ONE OF THIS WAS A YOUNG INDIVIDUAL



A. C. ZIEGLER  
1957

CITRINUS HORSBANI S

End Vanner Gussd Sta. <sup>4300± ft.</sup> T. 14 N, R. 4 E, Sec. 23, Del Norte Co., Calif.

Aug. 25 ENROUTE OUT OF THIS LOCALITY DR. BENSON  
SHOT YOUNG ONE BESIDE ROAD & SHOT AT  
ON OTHER NEAR Serpentine Gap. WE SAW  
102 TWO MORE. THEY WERE NOT SEEN IN  
OR AROUND THE MEADOW WE CAMPED IN  
BUT SEEMED TO BE FOUND ON THE ROCKIER,  
SUNNIER BANKS ALONG THE ROAD. THESE SEEN  
SEEMED FAIRLY SMALL.

Butt Creek <sup>4300± ft.</sup> 8 mi. S Chester Plumas Co., Calif.

Sept. 3-5 I SCHUYLER - TRAPPED SEVERAL & DR. BENSON  
LIVE-TRAPPED SEVERAL AROUND OUR CAMP  
ON CONIFER GROVE. SOMETIMES 2023 TAKEN AT  
SAME NEAR LOCATION WITHIN AN HOUR OR SO  
OR EVEN OTHER. FIRST CAMP WHERE THEY  
HAVE BEEN COMMON RIGHT IN CAMP. ONE  
GOT INTO OUR BEARS IN CAMP. 1022 STILL  
HERE AFTER 5026 OTHER TRAPPED WITHIN  
502405 OF CAMP. VERY QUICK ANIMALS.  
ADULTS WERE VERY FAT, ESPECIALLY UNDER  
SKIN OF POSTERIOR PART OF BODY.



A.C. ZIEGLER  
1957

Eutamias amoenus

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 28 1 WHICH MAY BE THIS SPECIES TAKEN SOMETIME  
BETWEEN 9:00 AM + 2:00 PM IN SCRUBBY W/TH  
PRUNES + BIRD CASES UNDER LOW CONIFEROUS  
DRY FORESTED HILLSIDE. CHIPMUNKS SEEMED  
SCARCE HERE - ONLY 2 SEEN IN IMMEDIATE  
VICINITY OF OUR CAMP BUT SEVERAL SEEN ON ROAD  
IN + ALSO GOING OUT.





A.C. ZIEGLER  
1957

EUMYMIS SPECIOSUS

BUT CREEK <sup>4300<sup>+</sup> FT.</sup> 8 MI. S CHESTER, PUMAS CO, CALIF.  
SEPT 3-5. DR BENSON TOOK 2 OR 3 IN MUS & AGE'S ON  
DRY CONIFER SHADE WITH FALLOW LOGS. 1 OR  
2 SEEN ABOUT CAMP. I FINALLY CAUGHT 1 ON  
THE 4<sup>TH</sup> BETWEEN 8:00 AM & NOON IN LIVE  
TRAP ON DRY SHADE BUT CANNOT NO OTHERS.  
ANIMALS ARE QUITE COOPER - COLORED ON  
SIDES — APPEARING QUITE BRIGHT IN COLOR  
WHEN SEEN. CITOMYS LATERALIS SEEM  
MORE COMMON, OR AT LEAST MORE OBVIOUS,  
AROUND OUR CAMP. LIVE TRAPPED EUMYMIS  
BROB BACK TO BRECKENRIDGE AS CAPTIVE. (AC 24940)



A.C. ZIEGLER  
1957

EUTOMIAS TOWNSENDI

BACK SHADY CAMP, <sup>3700 ± FT.</sup> T. 12 N, R. 5 E, SEC. 13, SISKIYOU CO., CALIF.

APR 22 SEVERAL IN TRAPS ON DRY HILLSIDES + 1  
IN WET GULCHY BEHIND STREAM BED — PROBABLY  
AND THIS SPECIES. THERE ANIMALS SEEN  
IN WOODS BUT ONLY 1 WAS CAUGHT IN CAMP  
& IT RAN BEFORE DR. BENSON COULD GET A  
PISTOL. 1 TAKEN IN LIVE TRAP BETWEEN  
7:30 & 10:30 PM.

APR. 23-25 ELK VANNER GULCH <sup>4300 ± FT.</sup> T. 14 N, R. 4 E, SEC. 23, DEER HAVEN CO., CALIF.

FAIRLY COMMON IN WOODS AROUND THIS  
LOCALITY — BUT NOT SEEN IN MEADOW. AND  
LOOK FAIRLY SIMILAR + POSSIBLY ARE AND  
THIS SPECIES.



A.C. ZIEGLER  
1957

GLAUCOMYS SABRINUS

PONKAS FLATS, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 27-30 DR. BENSON TOOK 2 IN SCHUTTLERS NEAR RIVER  
CAMP AT BASES OF DEAD SNAGS + NESTS WOODS ON  
DRY FRUIT + PIECE OF MEAT ON ONE NEST, BOTH ♀♀.  
POUNDED SNAGS BUT COULD NOT SCARE OUT  
ANY.



A.C. ZIEGLER  
1957

THOMOMYS BOTTAE

SUNNY RANCH, 3400<sup>±</sup> FT, 3 MI. E MONTGOMERY CO., P.O., SHARPS CO., CALIF.

SEPT 1

4 IN OPEN FIELDS WITH SOME ROCKS IN  
MAREBES. GROWNS WITH LITTLE OR NO ROCKS.

SEPT. 2

"

1 RUN SEEN IN DUSTY PLOWED & DISCED FIELD,  
2 OF THESE 4 CAUGHT IN THIS 1 RUN.

<sup>4300<sup>±</sup> FT.</sup>  
BUTT CREEK, 8 MI. S CHICO, PLUMAS CO., CALIF.

SEPT 4.

1 IN DRIEST PART OF MEADOW NEAR  
BASE OF CONIFER SLOPES. TRAPS SET IN OTHER  
RUNS ON SAME SIDE OF CREEK FOR 7 DAYS  
GOT NO OTHER BOTTAE. (DR. BENSON HAS  
ALREADY CAUGHT 1 HERE), DR. B. ALSO CAUGHT  
5 OR 6 MORE SMALL ONES IN SAME HABITAT  
ACROSS CREEK. SEEMS AS IF THIS COUNTRY  
WOULD SUPPORT MANY MORE BOTTAE THAN  
WERE PRESENT ON MEADOW EGGES ON OUR  
SIDE OF CREEK. A LARGE GRASSY ISLAND  
OR PRAIRIE-LIKE ISLAND HAD NO  
MOUNDS AT ALL ON IT AND BOTTAE  
COULD HAVE REACHED IT ON DRY LAND MOST  
OF TIME. NO MOUNDS SEEN ON DRY CONIFER  
SLOPES. BECAUSE OF THESE FACTS IS SMALL  
FOR MONICOLA BUT ANIMAL THEMSELVES DO  
NOT LOOK LIKE BOTTAE ACCORDING TO DR. BENSON  
(EYES SMALL, EARS LONG, ETC.)





A.C. ZIEGLER  
1957

THAMNOMYS DOMESTICUS

2.

W end End Valley, 75<sup>+</sup> ft., Marin Co., Calif.

Dec. 29 1 ON HILLSIDE IN CATTLE PASTURE. FRESH  
WORKINGS OF AT LEAST 4 OTHERS NOTICED IN  
VALLEY — PROBABLY MANY MORE BUT NO SPECIAL  
SEARCH WAS MADE FOR THEM. ANOTHER SET  
OF 2 TRAPS CAUGHT NOTHING IN NITE & DAY IT  
WAS OUT. IN SOME PLACES STRAIGHT ROWS  
WITH SMALL PILES OF DIRT EVERY 2 OR 3 FT.  
WERE NOTICED RUNNING ACROSS FIELDS — I  
GUESS GARDEN ALSO.



A.C. ZIEGLER  
1957

THOMOMYS MONTANA

Fort Vanner Guard Sta., <sup>4300 ft.</sup> T. 14N, R. 4E, Sec. 23, DeWard Co., CAN. 14.

Aug. 24. Got 5 in meadow. Ground with some rocks & pebbles but fairly easily worked. Also saw fresh workings in grassy spots on wooded hillsides but did not manage to catch anywhere. Dr. Benson got several in meadow also. Cases from snow working seen on meadow. Dr. B. saw 1 case almost completely made up of rocks but what I saw were mostly dirt.

Potter Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Can.

Aug. 27-29. 1 taken each day in runs in meadow and also ~~in~~ open rocky slopes in thin timber. Ground almost none pebbles & rocks up to 1 1/2 in in dia. Some "snow cases" seen on slopes. Some runs seen in very wet & peaty ground among willows but most seen on drier ground. Caught day & night.



P. I. ZIEGLER  
1957

LARIX CANADENSIS

Butte Creek <sup>4300<sup>±</sup> FT.</sup> 8 MI. S CHURCH, PLUMAS CO., CALIF.

SECT 3-5

THERE WERE APPARENTLY HERE UP TO  
A YEAR OR SO AGO SINCE SOME CONIFERS  
CUT SHOWED OLD NEEDLES. BEAVER HAD  
BUILT 2 OR 3 DAMS 10-15 FT LONG &  
1 TO 2 FT. DOWN ON SIDE BRANCHES OF  
CREEK. NO LOGS NOTED BUT TOP OF  
BIG BURROWS ON ISLAND HAD CAVED IN  
SHOWING PASSAGES & COILS 1 TO 2 FT  
IN HEIGHT & 1 TO 3 FT. WIDE-ENTRANCES  
NOT SEEN. MANY BRUSHY WINDOWS CUT  
LONG BEFORE BY ANIMALS. DR. BENSON FOUND  
AN APPARENTLY "ACTIVE" DEN DOO YOSOR  
SO UP STREAM. CATTLE ARE GRAZED ALONG  
THIS STREAM NOW & MANY FISHERMEN  
APPARENTLY COME HERE ON HOLIDAYS AND  
HAVE DONE SO FOR SOME TIME I GUESS.



A.C. ZIEGLER  
1957

REITHRODONTOMYS MEADONIS

W. ENO ELL VALLERY, 10<sup>±</sup> TO 75<sup>±</sup> FT., MARIN CO., CALIF.

Dec 22 ABOUT 8 OR 10 CAVANTS IN BUNCHES  
CLUMP CENTERS IN TRAPS SET FOR NEUROTRICUS  
NOTICABLY MORE COMMON IN CLUMPS THAN  
IN RUNS BESIDE THE CLUMPS. ALL LOOKS  
ADULT.

Dec. 28-29 ABOUT 15 TAKEN ~~ABOUT~~ <sup>ALL</sup> ABOUT 25<sup>±</sup> AND  
75<sup>±</sup> FT. ALL TAKEN AT NIGHT SO SEEM TO BE  
STRICTLY NIGHT WORKERS - NOT SO WITH MICROTUS  
PEROMYSCUS MANICULATUS AND SOREX VAGRANS





A.C. ZIEGLER  
1957

PEROMYSCUS BOYLEI

1400<sup>±</sup> FT.  
Jct. 4-Mile Creek & Clear Creek T. 15N, R. 6E, Sec ~~2~~<sup>2</sup>, Siskiyou Co., Ore.

AUG 26

DR BENSON CAUGHT 7<sup>±</sup> ALONG WITH P. MANICULATUS & P. TRUEI ON HIGHER DRIER GROUND HERE.

SUNNYSIDE, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY CO. P.O., SHERMAN CO., ORE.

SEPT 1

DR BENSON TOOK 1 YOUNG ALONG WITH SEVERAL P. MANICULATUS IN BRUSH & LOW GUNNY BELOW LARGE WOOD DAM.



A.C. ZIEGLER  
1957

PEROMYSCUS MANICULATUS

(1)

BARK SHANTY CAMP, <sup>3700± FT.</sup> T. 12N, R. 5E, Sec. 13, Siskiyou Co., Calif.

AUG 21

CAUGHT 4 <sup>in mus. spec's</sup> BETWEEN 8 AND 10:30 PM IN WET GRASS & UNDERBUSH ALONG VERY SMALL STREAM. ALL IN "ADULT" PELAGE.

AUG 22

CAUGHT 3 IN SHEEPMAN LIVE TRAPS ON DRY HILLSIDE WITH TALL FIRS & SOME 3 FT. HIGH UNDERBUSH DURING NIGHT. ONLY 1 SHOWED REMAINS OF GREY "JUVENILE" PELAGE. DR. BENSON TOOK 8 ALONG SMALL STREAM. 1 IN HALF-JUVENILE PELAGE IN SNAP TRAPS IN WET ~~MEADOW~~ <sup>GULCH</sup> BETWEEN 7:30 & 10:30 PM. 1 IN LIVE TRAPS DURING SAME PERIOD.

AUG 23-25

END VANEY GUARD STA., <sup>4300± FT.</sup> T. 14N, R. 4E, Sec. 23, DeWette Co., Calif.

MANY CAUGHT IN ALL TYPES OF HABITAT AVAILABLE HERE. DR. BENSON CAUGHT 1 WHICH HE THOT WAS A JUVENILE BOYLEI OR NEARBY. 2 MANICULATUS WERE CAUGHT BETWEEN 8:00 & 10:00 AM HERE. IN MY LIVE TRAPPING A YOUNG ANIMAL ENTERED THE SAME TRAP 3 TIMES DURING THE FIRST HALF OF THE NIGHT EVEN AFTER BEING THROWN OUT OF THE TRAP TWICE.

AUG 26

Jct. 4-MILE CREEK & CLEAR CREEK, <sup>4000± FT.</sup> T. 15N, R. 6E, Sec. <sup>2</sup>, Siskiyou Co., Calif.

3 WERE ONLY MAMMALS CAUGHT IN 50 MUS SPEC'S SET <sup>4-MILE</sup> ALONG CREEK ON WATERS EDGE, ON ROCKS AND ALONG VERY DRY, BUT STILL MOSSY, BANKS. DR. BENSON, ON HIGHER DRIER GROUND AWAY FROM CREEK CAUGHT P. BOYLEI & P. TERREY ALONG WITH THIS



A.C. ZIEGLER  
1957

Peromyscus maniculatus

(2)

Jct. 4-MILE CREEK + CLEAR CREEK <sup>1400± FT.</sup> T. 15N, R. 6E, Sec. 2, Siskiyou Co., ORE.

AUG 26  
(cont.)

SPECIES SO IT MAY BE, SINCE I CAUGHT ONLY MANICULATUS IN STREAMBED, THAT IT HAS A "NICHE" INCLUDING WETTER AREAS THAN THE OTHER TWO SPECIES.

ALGER FURN, 5000 FT., 12 MI. NW HAPPY CAMP SISKIYOU CO., CALIF.

AUG 27-30 MANY CAUGHT IN ANH HABITATS HERE AROUND CAMP. A FEW LOOKED BIGGER THAN OTHERS WITH LONGER EARS + THICKER, BUT NOT NECESSARILY LONGER, TAILS SO 4 OF LARGEST ANIMALS OF A GROUP OF TWENTY WERE SAVED.

SUPAN RANCH 3400± FT., 3 MI. E MONTGOMERY P.O., SHASTA CO., CALIF.

SEPT. 1 GOT 10 IN DOGWOOD THICKET, IN TANK GRAPS + UNDER BUSHES AROUND THE LAKE + SMALL WIDE HOLE. DR. BENSON GOT SEVERAL IN BRUSH + LOG GULLY AND ALSO A YOUNG P. BOYLEI.

SEPT. 2 & 3 MORE AROUND LAKE + IN DOGWOOD - MAPLE THICKET IN MUS. SPECIES. ABOUT 12 OR MORE ON DRY BRUSHY HILLSIDES WITH SMALL CREEK RUNNING ALONG IT. 3 DEAD IN LIVE TRAPS.

BUTT CREEK <sup>4300± FT.</sup> 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT 3-5 SEVERAL TAKEN IN ANH HABITATS NEARBY HERE. TAILS SEEM SHORT + RATHER THICK. LIVE TRAPS HAD A COUPLE OF SAME INDIVIDUALS SEVERAL TIMES DAY + NIGHT.



A.C. ZIEGLER  
1957

(3)

PEROMYSCUS MANICULATUS

W. END ELK VARNER, 10<sup>±</sup> TO 75<sup>±</sup> FT., MARIN CO., CALIF.

Dec. 22 15 or 20 TAKEN OVERNITE IN BUNCH  
GRASS CLUMPS & RUNS IN RASTUNES HERE.  
MOSTLY ADULTS.

Dec. 28-29 SAME AS ABOVE EXCEPT ABOUT 20 TAKEN.  
SOME WERE TRAPPED DURING DAY. IF ANY  
AT ALL WERE YOUNG THEY DID NOT NUMBER MORE  
THAN 2 OR 3.





A.C. ZIEGLER  
1957

Peromyscus truei

Jct. 4-Mile Creek + Cheate Creek, <sup>1400 ± ft.</sup> T. 15N, R. 6E, Sec. ~~1~~<sup>2</sup>, Siskiyou Co., Calif.

Aug 26.

DR. BENSON CAUGHT 3 Peromyscus WITH P. MANICULATUS & P. BOTLEY ON HIGHER, DRIER GROUND HERE. HE SAYS Peromyscus MAY BE TOLD FROM BOTLEY BY TRUBI'S BOBBED EARS & FINER SCALATION OF THE TAIL.



A.C. ZIEGLER  
1957

Neotoma cinerea

4300  $\pm$  FT.  
Eck Vanner Gumbo Sta., T. 14 N, R. 46, Sec. 23, DeWitt Co., Calif.

AUG 25

1 ♀ IN SCHUYLER TRAP BAITED WITH  
PRAWNS & SQUIRREL MEAT IN FRONT TRAIL  
ON BANK  
3 FT FROM CREEK, ~~UNDER~~ UNDER A THIN BEAM  
OF 8-10 FT. HIGH SHRUBS, <sup>I SAW</sup> NO INDICATION OF  
HOUSES BUT DR. BENSON SAID HE SAW SOME  
PILING OF STICKS WHICH WAS POSSIBLE WORK  
OF A WOOD RAT.

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co., Calif.

AUG 28

1 CAUGHT IN SCHUYLER UNDER END OF A  
BIG LOG ON PRAWNS & MOUSE BODY. SKELETON  
OF A SKUNK ADJ. TO ANIMAL. LOG WAS ON OPEN  
FORESTED SLOPE NOT CLOSE TO ANY ROCK  
OUTCROPPINGS.

AUG 29

1 AT BASE OF A LARGE CONIFER ON BIRD  
BODY & PRAWNS IN A SCHUYLER. SKUNK CRUSHED  
SO NOT SAVED. SITE WAS AMONG TREES BUT  
OPEN, SUNNY.  
50 FT AWAY WAS A DIRT & ROCK SLOPE WITH  
BOLOONIA BURROWS & ONLY A FEW SHRUBS.



A.C. ZIEGLER  
1957

CRETHARIOMYS OCCIDENTALIS

BRACK SHANTY CAMP, <sup>3700<sup>±</sup> FT.</sup> T. 12N, R. 5E, Sec. 13, Siskiyou Co., Calif.

AUG. 21 1 IN MUS SPEC SET IN WET SPOT ALONG  
STREAM BETWEEN 8 & 10:30 PM. MOUSE CAUGHT  
BY LOG & VERY MEAN. TRAP SET IN HOLLOW  
SCRAPED UNDER A FALLEN LOG BUT ABOUT  
4 FT. FROM STREAM. TOOK PEROMYSCUS MANICULUS  
NEAR THIS SPOT AND ~~LAST~~ THIS EVENING.

AUG. 22 1 IN LIVE TRAP ON DRY HILL-SIDES  
HILLSIDE WITH SOME UNDERBUSH IN PLACES.  
DR BENSON TOOK 1 ALSO NEAR STREAM  
IN GREEN UNDERBUSH.

AUG. 23 1 ON DRY HILLSIDE IN LIVE TRAP UNDER  
SCRUB OAKS 3 FT. DOWN BESIDE PATH. 25 FT  
TO NEAREST LOG. THE 2 TAKEN THERE LAST  
2 DAYS WERE ALMOST DEAD WHEN TAKEN FROM  
LIVE TRAPS SO MAYBE THEY ~~WAS~~ <sup>CANNOT</sup> SURVIVE  
AS LONG UNDER CRAMPED CONDITIONS WITH  
LITTLE FOOD AS PEROMYSCUS CAN.

PODGE FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 1 IN LIVE TRAPS SET ON STEEP HILLSIDE UNDER  
SOME BUSH WITH FIRE ABOVE. ALSO 1 IN  
STREAM BED 20 FT. FROM BASE ~~OF~~ FORESTED  
SLOPE.

AUG. 29 1 IN LIVE TRAP ON STEEP HILLSIDE NEAR PLACE  
WHERE AUG. 27 LIVE TRAP SPECIMEN WAS CAUGHT.  
AND UNDER A 3 FT HIGH SPRAWLING BUSH.  
TRAP BAITED WITH CRACKED ORTS.



A.C. ZIEGLER  
1957

MICROTUS CALIFORNICUS

SUPAN RANCH, 3400<sup>±</sup> FT, <sup>3 MI. E</sup>~~12 MI. NW~~ MONTGOMERY CR. P.O., SHASTA CO., CALIF.

SEPT. 1 CAUGHT 3 ADULTS & 1 YOUNG IN DEERS AROUND 2  
RAILS HERE WHICH MAY BE THIS SPECIES BUT NO  
TAILS LOOK LONG. RUNS SEEN IN DEERS BUT ARE  
NOT PARTICULARLY DISTINCT.

W. END ELK VALLEY, 10<sup>±</sup> TO 75<sup>±</sup> FT, MARIEN CO., CALIF.

DEC. 24 MANY RUNS & UNDERGROUND TUNNELS OF  
MICROTUS SEEN IN FIELDS — ABOUT 15-18  
CAUGHT OVERNIGHT — MOSTLY GOOD-SIZED.  
IF THE TUNNELS SEEN IN FIELDS — ABOUT  
1 1/2 MI. IN DIA. WERE MADE BY MICROTUS  
THE ANIMALS WERE CLEARING THEM  
BY PUSHING OUT SMALL CLOUDS OF  
MUD — NOTHING LIKE GARDNER WORKING  
— JUST A CLOUD OR 2. FLOODS OF RUNS  
WERE WET FROM FLOODING WATER.  
SOME OPENED IN BUNCH GRASS, SOME IN  
OPEN FIELD BUT ALL HAD MICROTUS-LIKE  
RUNS LEADING AWAY FROM THEM ON SURFACE.

DEC. 28-29 1500-20 TAKEN IN DAY & NIGHT AT ANCHER-  
ATIONS HERE. ONLY 2 SMALLER ONES TAKEN —  
MOSTLY GOOD ADULTS. CUTTINGS FREQUENTLY  
NOTICED IN RUNS IN BUNCH- & SAWGRASS.





A.C. ZIEGLER  
1957

MICROTUS LONGICAUDUS?

①

ENK VANNOT GRASS ST. <sup>4300 ± FT.</sup> T. 14N, R. 4E SEC. 23, DENNISTON CO., CALIF.

AUG. 23-25 ON 23<sup>RD</sup> DR. BENSON LIFTED A LARGE PIECE  
OF SHEET IRON <sup>ON GRASS IN MEADOW</sup> AT 3:00 PM & FOUND A YOUNG  
ONE BENEATH IT. I LIFTED A PIECE OF BOARD  
& FOUND 2 YOUNG IT ABOUT 9:00 AM. IN THE  
SPOTS IN MEADOW WHERE GRASS GROW FAIRLY  
THICK SOME RUNWAYS OR SORTS COULD BE  
SEEN BUT MOSTLY RUNS WERE NOT NOTICEABLE  
SOME OPEN RUNS A COUPLE OF, NCHOR WIDE  
& MAYBE 1 1/2 IN. DEEP WERE SEEN IN A FEW  
SPOTS IN MEADOW & DR. B. THOT THESE  
MIGHT BE RUNS OF THIS SPECIES. ON 23<sup>RD</sup>  
I GOT 1 (WITH SKULL BROKEN) IN MUS SPEC. AMONG  
WORMHOLE BUSHES BESIDE CREEK BETWEEN  
6:00 & 8:00 PM. ON 25<sup>TH</sup> <sup>BRASSINOS OF</sup> GOT 1 IN A  
TRAP IN GUNNY RUNNING THRU WILLOW GROVE  
IN MEADOW & ALSO 1 ON MOIST BRUSHY  
GROUND BESIDE STREAM. LAST SPOT WAS SURROUNDED  
BY WOODS SO THERE ARE NOT APPARENTLY  
RESTRICTED TO THE GRASS IN MEADOWS

AUG. 27-30 POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, INYO CO., CALIF.

MANY TAKEN AMONG SAGEBRUSH IN TALL AND  
SHORT GRASS, ALSO IN WILLOWS, IN WET FLAT.  
NONE TAKEN ON DRY HILLSIDES. ON AUG 30 SAW  
1 IN GRASS IN MEADOW ABOUT 8:00 AM.

SUPAN RANCH, 3400 ± FT., 3 MI. E MONTGOMERY CA, P.O., SHARON CO., CALIF.

SEPT. 1 & 2

ANIMALS CAUGHT HERE BELONG TO THIS SPECIES OR M. CALIFORNIENSIS



A.C. ZIEGLER  
1957

MICROTUS MONTANUS

Butt Creek, <sup>4300± FT.</sup> F. M. SCHNEIDER, Plumas Co., Calif.,

Sept. 3-5

Severan taken in wet meadow with  
1 to 2½ ft. high sedge & live & beaver-cut  
willow bushes. 2 M. MONTANUS also taken  
in meadow apparently in drier spots but  
maybe not sure MONTANUS kept to this  
drier ground. M. MONTANUS from this locality  
is browner on back with a shorter tail  
when compared to LONGICAUDUS from  
here. Neither species taken on drier hill-  
slopes bordering meadow. Young & adults  
of LONGICAUDUS — the more common species —  
taken in the meadow.



A.C. ZIEGLER  
1957

MICROTUS MONTANUS

<sup>4300 ± FT.</sup>  
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT 4~~th~~ 1 TAKEN EVEN DAY IN DRIER PART OF  
MEADOW ALONG WITH M. LONGICAUDUS (WHICH  
SEE) UNDER 1 FT. HIGH STONE. SOME RATHER  
INDISTINCT RUNS SEEN. SAGGY WARRIORS  
& PEROMYSCUS MANICULATUS TAKEN IN THESE  
RUNS ALSO.



A.C. ZIEGLER  
1957

MUS MUSCULUS

W ENDERLY VALLEY, 10<sup>±</sup> TO 75<sup>±</sup> FT., MASON CO., CALIF.

Dec. 22 1 IN TRAP AT 75<sup>±</sup> FT., AT 10:30 AM, DEC. 21  
LOOKED SMOKE & GREY BROWN BELOW. TOOK  
IT OUT, RESET TRAP & WALKED 10 STEPS AWAY.  
WHEN TRAP SPRUNG AGAIN & HAD ANOTHER  
SMOKE ONE BY TAKING SAME TRAP. 2 OR  
3 MORE TAKEN, IN VALLEY OVERNITE. NONE  
SEEMED ESPECIALLY LITE BELOW. BARN &  
HOUSES WITHIN  $\frac{1}{4}$  MILE IN 2 DIRECTIONS.

Dec. 28 2 MUS IN FIELDS IN BUNCH GRASS CHUMPS  
OR GRASS BEHIND THEM. SEEMED ADULTS. NOT WHITE  
BELOW. JUST GREY BROWN ABOVE & BELOW. TRAPS  
IN ABOUT SAME LOCALITIES AS LAST WEEK-END.





A.C. ZIEGLER  
1957

Zapus PRINCIPIS

BUCK FLATS, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 1 IN TOWN ~~SEDS~~ MOUND SM ONL STREAM  
BELOW OUR CAMP. ~~FORN~~ RAT. MICROTUS  
LONGICAUDUS & PEROMYSCUS MANICULATUS TAKEN  
IN SAME AREA.

AUG. 28 1 IN MUS. SPEC. ALONG STREAM BELOW CAMP  
BUT ON ROCKS ON STREAM EDGE IN AREA OF  
6 INCH - 14 INCH GRASS. CRUSHED SKULL - NOT SAVED.

BUTT CREEK, <sup>4300 ± FT.,</sup> 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 1 IN MUS SPEC BESIDE STUMP UNDER 2 ½ FT.  
TALL SCOOB. YOUNG WITH LITTLE OR NO FAT  
VISIBLE. Sorex VAGRANS, MICROTUS spp., PEROMYSCUS  
MANICULATUS & NEOTOMICHNUS TAKEN IN SAME  
GENERAL HABITAT - ALSO A Sorex PAWSONI  
NEARBY.



A.C. ZIEGLER  
1957

ERETHIZON

FOUNDER CAMP, 6 MI. E (BY ROAD) MT. CLOUD, SISKIYOU CO., CALIF.  
AUG. 30 SAW 1 DEAD ON ROAD BETWEEN YACKA & THIS  
LOCALITY.

NEAR GREENVILLE, PLUMAS CO., CALIF.  
SEPT. 2 SAW SMALL LIVE BLACKISH ONE WALKING  
ON SHOULDER OF ROAD ROUGHLY 20 MI. BEFORE  
WE REACHED GREENVILLE ENROUTE FROM SUSAN  
RANCH, 3400<sup>+</sup> FT., 3 MI. E MONTGOMERY CR. P.O., SHASTA CO., CALIF.

BUTT CREEK, <sup>3000<sup>+</sup> FT.</sup> 8 MI. S CHESTER, PLUMAS CO., CALIF.  
SEPT. 3 SAW  $1\frac{1}{2}$  FT. DIA. CON. FOR STRIPPED OF BARK  
UP TO  $1\frac{1}{2}$  FT. POSSIBLY BY THIS SPECIES ALTHO  
BEAVER WERE ALSO PRESENT IN THIS AREA APP.  
RECENTLY LOSS ~~TAKE~~ A YOUNG MOO.



A.C. ZIEGLER  
1957

3700± FT.  
BRUSH SHAWNY CAMP, T. 12N, R. 5E, SEC. 13, SISKIYOU CO., CALIF.

AUG. 22 DR. BENSON IDENTIFIED DROPPINGS BESIDE ROAD AS THOSE OF BEAR. SAID THE FEES HAD DIRT + OTHER DEBRIS IN THEM. I SAW A FOOT-LONG, 6 INCH WIDE GOUGE IN A VERY ROTTEN LOG ON DRY HILLSIDE WHICH I THOUGHT MIGHT POSSIBLY HAVE BEEN MADE BY A BEAR TEARING INTO THE LOG.

SAW A 5 INCH DIA HOLE IN DEAD TERMINAL<sup>(?)</sup> RIDDEN TREE 4 OR 5 FT. OFF GROUND. HOLE WAS 3 OR 4 INCHES DEEP + SHOWED 2 CLAW MARKS ON UPPER EDGE. ALSO SAW ABOUT SAME SIZE HOLE BUT ABOUT 8 INCHES DEEP DUG INTO SIDE OF A LARGE ROTTEN FALLEN LOG. GROOVES MADE BY CLAWS DEEPLY IMPRESSED INTO LOWER EDGE OF HOLE.

4300± FT.  
AUG. 23 END VANNOT BURNED SITE, T. 14N, R. 4E, SEC. 23, SAN NORTE CO., CALIF.

FOUND 2 PILES OF ~~BE~~ DROPPINGS PROBABLY OF BEAR AS THEY CONTAINED MUCH COARSE LEAF MATERIAL AND OTHER VEG. MATERIAL. A MR. LAMBERT SAID BEARS WERE THIN THIS TIME OF YEAR AND WERE OCCASIONALLY SEEN IN THIS AREA. HE DID NOT SEEM TO THINK BEARS DID AS MUCH DAMAGE TO YOUNG-RED WOOD TREES AS SOME PEOPLE SAID.



A.C. ZIEGLER  
1957

PROCTON COYOTE

SUPAN RANCH, 3400<sup>±</sup> FT., 3 MI. E MONTGOMERY C.R.P.O., SHERIDA CO., CALIF.

AUG 31 - SEPT 2 TRACKS BUT NO ANIMALS SEEN. 1 SPRINGER  
DR. BEAVERS LINE OF TRAPS.

BUTT CREEK, <sup>4300<sup>±</sup> FT.</sup> 8 MI. S CHESTER, PUMPER CO., CALIF.

SEPT. 3 TRACKS OF 1 IN CAMP HOST NITE BUT A  
STEEN TRAP SET A DAY LATER DID NOT  
GET IT.

WEND END VALLEY, 10<sup>±</sup> TO 75<sup>±</sup> FT., MARSH CO., CALIF.

DEC. 28-29 TRACKS NOTICED IN 2 OR 3 SPOTS LAST WEEK AND  
AND THESE TWO DAYS. TRACKS IN SAME PLACES  
SPRING & DRABOES - ESPECIALLY BROWN DRABOES -  
BUT MAY HAVE BEEN 2 HOUSE CATS IN VICINITY.





A.C. ZIEGLER  
1957

MUSTELA ERMINIA

POKER FLAT, 1000 FT., 12 MI. N HARPAT CAMP, SISKIYOU CO, CALIF.

AUG. 28 1 ♂ CAUGHT RUNNING ACROSS RAT  
TRAP SET ON END OF MOSSY LOG ACROSS STREAM.  
THE TRAP WAS SO SITUATED THAT IN ORDER TO  
KEEP AGAINST BANK OF STREAM WEAPON HAD TO  
RUN ACROSS IT. BAITED WITH PRUNES, A SET  
WHERE STREAM LEFT SMALL POOL. SURROUNDED  
BY TANK GRASS OR SEDGE. WILLOW THICKET  
10 FT. AWAY.



A.C. ZIEGLER  
1957

WEND ELL VARNER, 10<sup>±</sup> FT., MORAN CO., CALIF.

Dec. 29

DEAD ANIMAL ON BEACH - CRANIUM CRUSHED  
BUT NO EXTERNAL INJURIES NOTED, SAVED UPPER  
RT. CANINE + 3 UPPER RIGHT CHEEK TEETH. ANIMAL  
WAS SEEN LAST WEEK-END ALSO. FUR SHIPPED  
BUT OTHERWISE LOOKS IN FAIR SHAPE. IT  
MUST TAKE A LONG TIME FOR ONE OF THESE  
TO ROT DOWN TO SKELETON STAGE. CARCASS HAD  
BEEN WASHED 25 MORE FT. INLAND SINCE  
LAST WEEK RATHER THAN BEING WASHED AWAY  
WAS ROUGHLY 5 FT. LONG. - FUR YELLOW-BROWN,  
SEX?



A.C. ZIEGLER  
1957

COEUS CANADENSIS

Elk Vannoy Grass Sta. <sup>x300 ± ft,</sup> T. 14N, R. 4E, Sec. 23, Deer Lake Co. Minn.

Aug. 23

None seen but Mr. Lambert (see journal) told us there used to be 3 in Front Vannoy — with a meadow & pond about ~~three~~ miles up the road from our camp — but now only 1 large male remains. This one apparently was seen near the domestic cattle grazing in the meadow and had a large set of antlers. Lambert said he pounded the ground & used his antler — or the front spikes — to throw a large branch from the ground out of his way. He thought there were "native" elk & not the smaller "introduced" elk from further south" whatever that means.



H.C. ZIEGLER  
1957

ODOCOLEUS MEMIONUS

Elk Vannerbush Sta. <sup>4300± ft.</sup>, T. 14N, R. 4E, Sec. 23, Del Norte Co., Calif.

AUG 23-25 NOT SEEN BUT FRESH TRACKS AROUND  
CAMP 2 NIGHTS. MR. HAMBOSET <sup>(see Journal)</sup> SAID THEY  
WERE SEEN THRU THIS COUNTRY.

SUPAN RANCH, 3400± ft., 3 mi. E Monticello Cr. P.O., Shasta Co., Calif.

AUG 31-SEPT MANY TRACKS SEEN ON ROADS + IN FIELDS AROUND.  
NO ANIMALS ACTUALLY SEEN THO.

BUTT CREEK, <sup>4300± ft.</sup>, 8 mi. S CHESTER, PLUMAS Co., CALIFORNIA

SEPT. 3-5 TRACKS BUT NO ANIMALS SEEN IN OLD  
BEARER MEADOW. APPARENTLY FEEDING PARTLY  
ON SEEDS ALTHO THIS MAY HAVE BEEN WORK  
OF RANGE CATTLE WHICH WERE ALSO SEEN  
IN AREA.

HOLAND'S EXPERIMENTAL STATION, MENDOCINO Co., CALIF.

SEPT. 6 MANY ♀ + Fawns BUT NO BUCKS SEEN  
BETWEEN 9:30 AM + 2:30 PM ON STATION.  
LIMITED HUNTING ALLOWED HERE.

W. END

Elk Vannerbush, 10± to 75± ft., MARIN Co., CALIF.

DEC. 21 4, 2 AND 1 SEEN IN LATE AFTERNOON  
ON RIDGES TO N SIDE OF VANNERBUSH. ANTI  
HAWD IS POSTED AGAINST HUNTING BUT CLUB SHOOTERS  
HERE.

DEC. 28-29 ONLY 2 SEEN THIS WEEK-END - TRACKS IN SEVERAL  
PLACES - EVEN DOWN CLOSE TO OCEAN BEACH.





Ziegler, A. C.  
1958

Catalogue  
nos. 982-1332



A.C. ZIEGLER  
1958

CATALOG.

BROOKS ISLAND, 10<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 5 COLL. P.V. ANDERSON & J.C. DUNN

982	♂ (TESTES 3x5 mm)	<u>MUS MUSCULUS</u>	167 - 77 - 18 - 12 <sup>(N)</sup>	20.5
983	♀ (NO TESTES)	"	159 - 78 - 17 - 13 <sup>(N)</sup>	15.1
984	♂ (TESTES 3x5 mm)	"	153 - 73 - 18 - 12 <sup>(N)</sup>	14.5
985	♀ (NO TESTES)	"	164 - 84 - 18 <sup>1</sup> / <sub>2</sub> - 13 <sup>(N)</sup>	14.3
986	♀ (NO TESTES)	"	131 - 63 - 17 - 11 <sup>(N)</sup>	8.2

SAN RAFAEL (5 WERNER COURT), MARIN CO., CALIF.

PRELIM TO DEC. 29, 1957  
PERMITS DEC. 28, 1957  
GIVEN #S JAN 8, 1958

COLL. MR. IRVING WERNER.  
REC'D DEC. 28<sup>±</sup>, 1957 THRU

ALCOHOLIC	987	<u>MUS MUSCULUS</u>	(NO TESTES)	THOMAS W. PERTAM ( <del>COLLECTOR</del> )
ALCOHOLIC	988	"	"	"
ALCOHOLIC	989	"	"	"

BORDELYN ("HEAD OF COVENICES CREEK"), ALAMOGOR CO., CALIFORNIA

JAN. 15

COLL. MR. KIM HAYES

ALCOHOLIC	990	♂	<u>SCIURUS NIGER</u>	515 - 235 - 66 - 30 <sup>(N)</sup>	78.5mm
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BROOKS ISLAND, 50<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 18

991	♂ (TESTES 3x3 mm)	<u>MUS MUSCULUS</u>	168 - 83 - 19 - 14 <sup>(N)</sup>	19.5
992	♂ (TESTES 2x5 mm)	"	175 - 82 - 19 <sup>1</sup> / <sub>2</sub> - 13 <sup>1</sup> / <sub>2</sub> <sup>(N)</sup>	20.7
993	SET ♀?	<u>HOMO SAPIENS AMERICANUS</u>	NOMOS.	(ELEV. 0 <sup>±</sup> FT.)
994	SET	"	"	(ELEV. 10 <sup>±</sup> FT.)

1 MI. E, 2 MI. N TRONA (SAN BERNARDINO CO.), INYO CO., CALIF.

1700<sup>±</sup> FT.

CATCH: JAN 30, 1958 DIED: FEB. 26, 1961.

995	♀ (NO TESTES)	<u>DIPLODOMYS MERCERI</u>	208 <sup>+</sup> - 114 <sup>+</sup> - 41 - 11 <sup>(N)</sup>	33.0
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A.C. ZIEGLER  
1958

CATALOG

1/2 MI. SE (BY ROAD) SUMMIT-WALKER PASS, 5100<sup>±</sup> FT., KERN CO., CALIF.

JAN. 30

996 XANTUSIA

(COLL. BY DR. W.B. QUAY)

997 UTA

7 MI. E (BY ROAD) MERCURY HOT SPRINGS, FRESNO CO., CALIF.

JAN. 30

+ BACULUM - FRESH  
DICK UP

998 ♂ (TES 15 X 2) VULPES MACROTIS

800-300-125-80<sup>(N)</sup> (NO WT.)

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN. 31

999 ♂ (TES 22 X 2) PEROMYSCUS MEXICANUS 135-73-15-13<sup>(N)</sup> 7.8

1000 ♂ (TES 24 X 2) " " 138-73-16-13<sup>(N)</sup> 9.2

1001 ♂ (TES 31 X 3) THOMOMYS BOITAE 209-66-29-6<sup>(N)</sup> 106.3

1002 ♀ (3 AT, 3 LT. 5 MM EMB) " " 211-61-29-6<sup>(N)</sup> 128.6

1003 ♂ (TES 11 X 1 MM) " " 228-67-29-6<sup>(N)</sup> 178.2

1004 ♀ (2 LT. 3 MM EMB) NEOTOMA LEPIDA 316-145-31-28<sup>(N)</sup> 137.5

8 MI. E, 5 MI. N MERCURY HOT SPRINGS, 4500<sup>±</sup> FT., FRESNO CO., CALIF.

PUT UP FEB. 4, COLL. JAN 29, 1958 BY VIC LEWIS  
W. B. QUAY FEB 4  
& WM. MANOR

1005 ♀ (NO EMB'S) CITELLUS NELSONI 231-66-36-14<sup>(N)</sup> 157.4

PANOCHÉ CREEK, 5500<sup>±</sup> FT., FRESNO CO., CALIF.

PUT UP FEB 4, COLL. JAN 29, 1958 BY WM MANOR  
ALL WEIGHED ON FEB. 4

1006 ♀ (1 AT, 1 LT. 3 MM EMB) DIPodomys NIVICATOR 246-148-36-13<sup>(N)</sup> 36.8

1007 ♀ (2 AT, 2 LT. SCARS) " " 231-132-38-12<sup>(N)</sup> 38.2

1008 ♂ (TES 5 X 10 MM) " " 243-145-35-13<sup>(N)</sup> 41.8

1009 ♂ (TES 6 X 10) " " 241-137-36-13<sup>(N)</sup> 42.0



A. C. ZIEGLER  
1958

CATALOG

PANOCHES CREEK, 550<sup>±</sup> FT., FRESNO CO., CALIFORNIA

PUT UP FEB. 4, COLL JAN 29, 1958 BY W<sup>M</sup> J. MANN

1010	♂ (TES 5x10 CA10+)	<u>DIPodomys NITRATOIDES</u>	235-131-36-13 <sup>(N)</sup>	43.5
1011	♂ (TES 5x10 CA10+)	"	242-141-36-13 <sup>(N)</sup>	43.9
1012	♂ (TES 5x10 CA10+)	"	239-140-35-13 <sup>(N)</sup>	44.8
1013	♂ (TES 5x10 CA10+)	"	<del>TAIL TIP MISSING?</del> 220-113-36-13 <sup>(N)</sup>	45.7
1014	♂ (TES 6x12 CA10+)	"	252-147-36-13 <sup>(N)</sup>	47.9

BROOKS ISLAND, 0 TO 10<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

PART SKELETON - PICKUP		FEB 9	#1015 FOUND ORIGINALLY BY PAUL ANDERSON ON FEB. 2, 1958.
1015	<u>HOMOSAEUS AMERICANUS</u>		NO MEAS. (CLEV. OFF FT.)
PART SKELETON ONLY - PICKUP			
1016	(NAT) "	"	NO MEAS. (CLEV. 5 FT.)
PART SKELETON ONLY - PICKUP			
1017	"	"	NO MEAS. (CLEV. 10 <sup>±</sup> FT.)

STRAWBERRY CANYON (N GNOBOTANICAL GARDENS), BERKELEY, ALAMEDA CO., CALIF.

		FEB 20	ALL COLL BY F. COMPTON & T. TOSIO
1018	♀ (NO EMB)	<u>Sorex araneus</u>	99-37-11-8 <sup>(N)</sup> 4.7mm
1019	♀ (NO EMB)	"	101-35-11-8 <sup>(N)</sup> 4.9mm
1020	♀ (NO EMB)	"	99-36-12-8 <sup>(N)</sup> 5.0mm
1021	♂ (TES 3x5 CA10-?)	"	103-35-11-8 <sup>(N)</sup> 7.4mm

1 MI. N CAMP MEEGER, SONOMA CO., CALIFORNIA

PUT UP FEB. 20 (COLL FEB. 16, 1958) COLL. W<sup>M</sup> HAMMOND III & DAN ROBERTS

1022	♂ (TES 3x4 CA10-)	<u>PEROMYSCUS LONGICAUDUS</u>	171-69-20-12 <sup>(N)</sup>	19.4
1023	♂ (TES 3x4 CA10-)	"	164-69-20-11 <sup>(N)</sup>	26.3





A.C. ZIEGLER  
1958

Catalogue.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR 1

1024 ♂ (TES 2x4  
GD10-) THOMOMYS BOTTAE

190-58-27-5<sup>(N)</sup> 83.1

1025 ♂ (TES 6x9  
GD10+) PEROMYSCUS CALIFORNICUS

251-134-27-23<sup>(N)</sup> 48.2

1026 ♀ (1 RT, 2 LT.  
SCARS) " "

260-132-26-23<sup>(N)</sup> 53.0

BROOKS ISLAND, 5 ± FT., CONTRA COSTA CO., CALIF.

MAR. 2

PART SKIN ONLY - ALCOHOL.

1027 ♂? HOMO SAPIENS AMERICANUS

NO MEASUREMENTS.

SAN FRANCISCO  
(MAN SUNG CO., 116 GRANT AVE), SAN FRANCISCO CO., CALIF.

KILLED MAR 15

COLL. MAR 13, 1958

1028 ♀ (NO VISIBLE  
OVES) COLUMBA LIVIA

143.8 gm. TARS 14.8 mm.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR. 28

1029 ♂ (TES 11x15  
GD10+) THOMOMYS BOTTAE

252-73-30-7<sup>(N)</sup> 227.0

MAR. 29

1030 ♀ (LACTATING  
NO SCARS  
VISIBLE) ROCKY TROWBRIDGEI

119-48-13-8<sup>(N)</sup> 6.1

1031 ♂ (TES 4x8  
GD10-) REITHRODONTOMYS MEEBII

148-78-16-13<sup>(N)</sup> 9.1

1032 ♂ (TES 3x7  
GD10-) " "

144-74-16-12<sup>(N)</sup> 9.6

1033 ♀ (NO EMB'S) PEROMYSCUS TRUEI

205-98-24-21<sup>(N)</sup> 29.3

1034 ♂ (TES 6x10  
GD10+) " "

208-105-23½-21<sup>(N)</sup> 32.1

1035 ♂ (TES 10x14  
GD10+) THOMOMYS BOTTAE

230-73-28-7<sup>(N)</sup> 144.3

1036 ♂ (TES 9x14  
GD10+?) " "

231-72-28-7<sup>(N)</sup> 169.4



A.C. ZIEGLER  
1958

CATANOCH

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIF.

CAPTIVE ANIMALS KILLED MAR 27

1037	♀ (NO EMB'S)	<u>MUS MUSCULUS</u> (ALBINO)	176-84-19-13 <sup>(N)</sup>	16.1
1038	♀ (NO EMB'S)	" "	(NO MEAS'S)	17.2

4 MI. E HASLAND, 1000 FT., MENDOCINO CO., CALIFORNIA

APR. 10, 1958

WEIGHED + KILLED APR. 15, 1958  
COLL. CARL B. RAYOR

1039	♂ (TESTES 1/2 X 3 EPID.?)	<u>LASIURUS CINEREUS</u>	122-48-9-18 <sup>(N)</sup>	16.4 am.
1040	♂ (TESTES 1/2 X 3 EPID.?)	" "	127-55-9-18 <sup>(N)</sup>	17.4

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIFORNIA

CAPT'D APR. 11, 1958, KILLED APR. 15, 1958

COLL. DR. S. B. BENSON

1041	♂ (TESTES 1/2 X 1/2 EPID.?)	<u>NEOTOMA FUSCIPES</u>	455-220-42-32 <sup>(N)</sup>	316.1
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APR. 23, 1958

COLL. BY H.M. BYRNE

1042	♂ (TESTES 3/8 X 6 EPID.?)	<u>Sorex ornatus</u>	95-34-11-8 <sup>(N)</sup>	5.8
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UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIFORNIA

CAPTIVE ANIMALS KILLED APR. 23, 1958

1043	♀ (SAT. OLT SCARS)	<u>MUS MUSCULUS</u> (BLACK)	196-91-18-14 <sup>(N)</sup>	29.8
1044	♂ (TESTES 4 X 8 EPID.?)	" "	185-87-18-14 <sup>(N)</sup>	30.2

1 MI. SE INVERNESS, MARIN CO., CALIFORNIA

CAPT'D APR. 13, 1958, DIED APR. 16, 1958, FOR US APR. 23, 1958  
COLL. S. B. BENSON

1045	♂ (TESTES 1/2 X 1/2 EPID.?)	<u>MYOTIS CALIFORNICUS</u>	72-33-5 1/2-11 <sup>(N)</sup>	2.9 am.
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NO OSTS (PROBABLY FROM CALIFORNIA)

SKIN ONLY  
1046 SET

SCAPANUS LATMANUS



P.L. Ziegler  
1958

Carpenter

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA Co., CALIF.

CAPTIVES - PREPARED APR. 23, 1958

SKULL ONLY

1047 ♀ (NO EMB.)

SKULL ONLY

1048 ♀ (NO EMB.)

ORYZOMYS CUNICULUS (ALBINO) NO MEAS'S OR WT.

"

"

"

"

CAPTIVES - KILLED MAY 7, 1958

1049 ♂ (TESTES 4x7  
CAID+) MUS MUSCULUS (GRAY)

164-78-19-13<sup>(W)</sup>

19.6

1050 ♂ (TESTES 5x8  
CAID+) " " "

168-77-18-13<sup>(W)</sup>

23.3

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO Co., CALIFORNIA

COLL. MAY 6, 1958

PREP. MAY 7, 1958

COLL. "SAN FRANCISCO"  
RESIDENT GOVERNMENT

1051 ♀ (NO EMB.) RATTUS RATTUS

260-141-31-21<sup>(W)</sup>

36.7

1052 ♂ (TESTES 3x5  
CAID-) " "

248-126-30-20<sup>(W)</sup>

38.2

4 MI. E HARLAND, 1000 FT., MENDOCINO Co., CALIF.

COLL. CARL B. VOTAW

COLL. APR. 12, 1958, PREPARED MAY 27, 1958

1053 ♂ (TESTES 1x5  
CAID-) LABIURUS EINEZEUS

139-64-11-17<sup>(W)</sup>

18.5mm

1054 ♂ (TESTES 1x4  
CAID-) " "

136-55-11-17<sup>(W)</sup>

21.2

1055 ♂ (TESTES ?) " "

142-53-11-18<sup>(W)</sup>

23.3

COLL. APR. 19, 1958

1056 ♂ (TESTES 1x4  
CAID-) " "

133-50-11-17<sup>(W)</sup>

21.2

COLL. APR. 20, 1958

1057 ♀ (NO EMB.)  
VAGEL END OF RT. UTERINE  
HORN VERY SLIGHTLY ENLARGED

COLL. MAY 19, 1958

140-53-11-17<sup>(W)</sup>

EVISCERATED  
20.3

1058 ♂ (TESTES 1x5  
CAID-) " "

132-57-11-17<sup>(W)</sup>

17.4

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA Co., CALIF.

CAPTIVE - PREP'D <sup>JUNE</sup> 9, 1958

1059 ♀ (NO EMB'S) MUS MUSCULUS (BROWN)

181-86-18-13<sup>(W)</sup>

21.4



A. C. ZIEGLER  
1958

CATALOG

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

JUNE 10

1060	♂ (TESTES 1.1) (EPID.?)	<u>SOROT ORNATUS</u>	94-36-12-7 <sup>(N)</sup>	3.3
1061	♂ (TESTES 1.1) (EPID.?)	" "	96-36-11-7 <sup>(N)</sup>	3.3

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 15

PART SIDE ONLY  
- PICKUP

1062	SEX ?	<u>SCAPHIUS LATIMANUS</u>	(PICKUP BY WM HAMILTON III) (NO MEAS'S OR WT.)
1063		<u>HYLA REGILLA</u>	
1064		" "	

1 MI. E BOLINAS P.O., 5<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 18

COLL. WM HAMILTON, III.

1065	♀	<u>THAMNOPHIS</u>	SNOUT-VENT 56.4 mm.
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1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 20

~~1066~~

1066	<u>HYLA REGILLA</u>
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JUNE 21

1067	1 LOT AMPHIB. <u>TROPODUS</u> (20 <sup>±</sup> )
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1068	<u>GERRHOPELUS</u>
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JUNE 22

1069	♀ (NO EMB)	<u>NEUROSPICHUS</u>	122-43-16-0	14.7
1070	♂ (TESTES 1.1) (EPID.?)	<u>SOROT TROWBRIDGEI</u>	121-51-14-9 <sup>(N)</sup>	7.4
1071	♂ (TESTES 1.1) (EPID.?)	" "	119-55-14-9 <sup>(N)</sup>	6.6
1072	♂ (TESTES 2.3 mm) (EPID.?)	" "	121-51-14-9 <sup>(N)</sup>	6.4
1073	♀ (NO EMB'S OR SCARS CAUSING MO?)	" "	129-54-14.5-9 <sup>(N)</sup>	7.8
1074	♂ (TESTES 7.0) (EPID.?)	<u>ROMANUS BOTTAE</u>	239-73-29-8 <sup>(N)</sup>	182.0





A.C. ZIEGLER  
1958

CATMON

1 mi. W Bolinas P.O., 120<sup>±</sup> ft., Marin Co., California

JUNE 22 (CONT)

1075	♂ (TES 5x8 CAIO.+) <u>MICROTUS CALIFORNICUS</u>	187-56-21-15 <sup>(N)</sup>	65.8
1076	♀ (NO EMB'S) " "	153-43-20-14 <sup>2(N)</sup>	30.3

1077 HYLA REBILHA

JUNE 23

1078	♀ (NO EMB'S) <u>SOREX PROBRIDGEI</u>	120-50-14-9 <sup>(N)</sup>	6.3
1079	♀ (NO EMB'S) <u>NEOTOMA FUSCIPES</u>	540-170-40-2 <sup>(N)</sup>	142.6

JUNE 24

ALCOHOLIC

SKULL BROKEN

1080	♂ (TES 2x3 CAIO.?) <u>NEUROSPICHTUS GIBBSI</u>	115-39-17-0	13.2
1081	♂ (TES 2x3 CAIO.?) " "	122-43-17-0	14.2
1082	♀ (NO EMB'S) " "	112-38-16-0	12.8
1083	♂ (TES 2x3 CAIO.?) <u>SCARPANUS LATIMANUS</u>	175-40-21-0	78.0
1084	♀ (3 RT. 2 LT. SCARS LATIMANUS) <u>NEOTOMA FUSCIPES</u>	402-207-42-28 <sup>(N)</sup>	241.2
1085	♂ (TES 2x3 CAIO.?) <u>SOREX PROBRIDGEI</u>	109-53-15-9 <sup>(N)</sup>	4.4

JUNE 25

ALCOHOLIC

SKULL BROKEN

1086	♂ (TES 1x2 mm CAIO.?) <u>SOREX PROBRIDGEI</u>	122-54-5-9 <sup>(N)</sup>	4.4
1087	♂ (TES 1x2 mm CAIO.?) " "	116-53-14-10 <sup>(N)</sup>	7.2
1088	♂ (TES 1x2 mm CAIO.?) <u>NEUROSPICHTUS GIBBSI</u>	115-39-17-0	13.6
1089	♀ (NO EMB'S) " "	121-41-17-0	13.3
1090	♂ (TES 5x8 CAIO.+) <u>MICROTUS CALIFORNICUS</u>	166-50-20-14 <sup>(N)</sup>	43.4

JUNE 26

1091	♂ (TES 2x3 CAIO.?) <u>NEUROSPICHTUS GIBBSI</u>	118-38-16-0	14.4
1092	♂ (TES 1x2 CAIO.?) <u>NEOTOMA FUSCIPES</u>	344-175-42-2 <sup>(N)</sup>	154.8
1093	<u>BATRACHOSAPS ATTENUATUS</u>	COLL. W <sup>M</sup> HAMILTON, III	
1094	" "		
1095	" "		
1096	<u>HYLA REBILHA</u>		



A.C. ZIEGLER  
1958

CATALOG

1 mi. W Bolinas P.O., 120<sup>±</sup> ft., Marin Co., California

JUNE 27

Di Dr. Quoy 1907-2004 U. Calif.	ALCOHOLIC	♀ (NO EMB'S LACTATING)	<u>NEOTOMA FUSCIPES</u>	SKULL BROKEN	425-220-40-29 <sup>(N)</sup>	295.4
	1098	♂ (TES 1X2 CAIO?)	<u>NEUROTRICHUS GIBBSI</u>		123-42-17-0	13.1
	1099	♂ (TES 1X1mm CAIO?)	" "		122-40-17-0	13.4
	1100	♂?	" "		120-41-17-0	13.1
	1101	♀ (4 EMB'S SCARS)	<u>MICROTUS CALIFORNICUS</u>		171-51-21-15 <sup>(N)</sup>	44.2
	1102		<u>THAMNORHIS</u>	SV. 335 mm		
	1103		<u>HYLA REEVEANA</u>			

JUNE 29

1104	♂ (TES 1X1/2 CAIO?)	<u>SARCA MOWBRIDGEI</u>	118-55-14-9 <sup>(N)</sup>	6.0
1105	♀ (NO EMB'S LACTATING)	" "	117-50-14-9 <sup>(N)</sup>	7.8

1 mi. N Jenner P.O., 150<sup>±</sup> ft., Sonoma Co., Calif.

JUNE 29 (CONT'D)

COLL'S WITH WM HAMILTON, III

1106	♂ (TES 3X4 CAIO.-)	<u>PHENACONYS LONGICAUDUS</u>	177-71-18-12 <sup>(N)</sup>	23.3
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1 mi. W Bolinas P.O., 120<sup>±</sup> ft., Marin Co., California

JUNE 30

1107	♂ (TES 3X6 CAIO.-)	<u>MICROTUS CALIFORNICUS</u>	156-48-22-15 <sup>(N)</sup>	36.9
1108	♂ (TES 3X4 CAIO.-)	" "	141-41-21-14 <sup>(N)</sup>	26.6

JULY 1

1109	♂ (TES 3X6 CAIO.+) )	<u>MICROTUS CALIFORNICUS</u>	182-56-21-15 <sup>(N)</sup>	57.0
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JULY 3

1110	♀ (NO EMB'S)	<u>NEUROTRICHUS GIBBSI</u>	122-40-16-0	13.6
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JULY 4

1111	♂ (TES 1X2 CAIO.-)	<u>REITHRODONTOMYS MEADII</u>	105-54-14-10 <sup>(N)</sup>	4.4
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1128 ♂ (<sup>TES</sup><sub>EX 10.?</sub>)      SAGE TROWBROFF      113 - 50-14-10<sup>(w)</sup>      5.8  
1129 ♂ (<sup>TES</sup><sub>EX 10.?</sub>)      "      "      TAIL BROKEN      118 - 55 - 15-10<sup>(w)</sup>      5.6



A. C. ZIEGLER  
1958

Catalog

1 MI. W BOWMAN P.O., 120<sup>±</sup> FT., MARIN CO., CALIFORNIA

JULY 8 (CONT'D)

1130 ♂ (TESTES 4x6 CA10+) MICROTUS CALIFORNICUS 168-48-21-15<sup>(N)</sup> 41.4

JULY 9

TO: DR. GARY  
DEPT. ZOOL.  
UNIV. CALIF.  
ALCOHOLIC  
1131 ♀ (NO EMB'S) NEOTOMA FUSCIPES SKULL BROKEN 370-190-43-38<sup>(N)</sup> 195.4  
1132 ♀ (NO EMB'S) " " 273-130-37-25<sup>(N)</sup> 89.6  
1133 ♂ (TESTES 1x1mm CA10?) Sorex TROWBRIDGEI 110-49-14-8<sup>(N)</sup> 5.9

JULY 12

1134 ♂ (TESTES 4x6 CA10-) MICROTUS CALIFORNICUS 156-44-21-13<sup>(N)</sup> 35.0

JULY 13

1135 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 112-40-17-0 13.6  
1136 ♂ (TESTES 4x8 CA10-) NEOTOMA FUSCIPES 375-187-42-27<sup>(N)</sup> 218.3

JULY 14

1137 ♂ (TESTES 2x3mm CA10-) MICROTUS CALIFORNICUS 156-46-22-15<sup>(N)</sup> 34.8

JULY 16

ALCOHOLIC  
1138 ♂ (TESTES 1x3mm CA10?) NEUROTRICHUS GIBBSI SKULL BROKEN 124-41-16-0 14.5  
1139 ♀ (NO EMB'S) " " 113-41-17-0 13.3  
1140 ♀ (NO EMB'S) " " 112-38-17-0 14.2

JULY 17

1141 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 120-39-17-0 13.5  
1142 ♀ (NO EMB'S) SCARPANUS LATIMANUS 177-37-21-0 84.6

JULY 18

1143 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 120-39-16-0 13.1

JULY 19

1144 ♂ (TESTES 3x5 CA10?) Sorex TROWBRIDGEI 114-49-14-9<sup>(N)</sup> 6.7  
1145 ♂ (TESTES 11x20 CA10+) NEOTOMA FUSCIPES 435-200-42-31<sup>(N)</sup> 403.0





A.C. ZIEGLER  
1958

CATALOG

BOLINAS, (ISLAND, <sup>475</sup>500 FT. N COAST GUERO STR., EDGE SALICORNIA MARSH), 5<sup>+</sup> FT., MARIN CO., CALIF.

~~JULY 20~~

(REC'D) JULY 20 ~~coll.~~ coll. Geo. F. FISLER.

1146

PEROMYSCUS

coll'd JULY 17, 1958

1147

THAMNOPHIS (ELEPHANS?)

coll'd JULY 19, 1958  
SNOUT-VENT. 570

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIFORNIA

JULY 23

1148 ♂ (TES 2x1 1/2, GP 10+) NEOTOMICHUS GIBBSI

117 - 42 - 17 - 0 13.7

1149 ♂ (TES 5x10, GP 10+) CEITHRODONTOMYS MEGALOTIS

155 - 79 - 17 - 13<sup>(N)</sup> 11.5

1150 ♀ (NO EMB'S) NEOTOMA FUSCIPES

326 - 167 - 38 - 27<sup>(N)</sup> 156.9

1151 ♂ (TES 4x7, GP 10-)

342 - 173 - 38 - 27<sup>(N)</sup> 171.7

JULY 24

1152 ♀ (1 RT. 3 RT. SCARS LACTATING) NEOTOMA FUSCIPES

440 - 215 - 40 - 30<sup>(N)</sup> 300.0

1153 ♀ (NO EMB'S)

392 - 195 - 41 - 28<sup>(N)</sup> 211.5

1154

HYLA REGILLA

coll. WM. HAMILTON, III.

PANOCHO CREEK, 550<sup>±</sup> FT., FRESNO CO., CALIFORNIA.

PUT UP  
AUG. 19

collected JAN 29, 1958 BY VIC LEWIN.

1155 ♀ (1 RT. 1 LT. FRESH SCARS) DIPLODOMYS VIRESCENS

247 - 150 - 35 - 12<sup>(N)</sup> 41.1

1156 ♂ (TES 6x11, GP 10+)

260 - 153 - 34 - 13<sup>(N)</sup> 47.3

1157 ♀ (2 RT. 2 LT. SCARS) DIPLODOMYS HERRMANNI

287 - 168 - 41 - 15<sup>(N)</sup> 72.2

PUT UP  
AUG. 19

collected JAN 30, 1958 BY VIC LEWIN

1158 ♂ (TES 2x10, GP 10-)

434 - 164 - 58 - 22<sup>(N)</sup> 764.8

MOUNTAIN CREEK MINE, T.2S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP  
AUG. 20

coll'd JULY 18, 1958 BY CHAS. THORNTON

1159 ♂ (TES 2x10, GP 10+) MYOTIS VELIFERA

96 - 40 - 9 - 14<sup>(N)</sup> 7.4

1160 ♀ (NO EMB'S LACTATING) MACROTUS CALIFORNICUS

91 - 35 - 13 - 34<sup>(N)</sup> 11.6



A.C. ZIEGLER  
1958

CATALOG

MOUNTAINEER MINE, T12S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP  
AUG. 30 (CONT'D) COLLECTED JULY 18, 1958 BY C.S. THRELLER

1161 ♀ (NO EMB'S) MAEROTUS CANADENSIS 96-41-13-32<sup>(N)</sup> 11.6  
1162 ♀ (NO EMB'S) " " 96-38-13-32<sup>(N)</sup> 10.8

BERKELEY, ALAMEDA CO., CALIFORNIA

PART RT. MANDIBLE ONLY  
PICKED UP SET  
1163 ♂ SUS SCROFA NO MEAS'S OR WT.  
PICKED UP 1958 IN YARD IN TOWN.

STRAWBERRY CANYON, 850<sup>+</sup> FT., BERKELEY, ALAMEDA CO., CALIF.

AUG. 30

1164 ♀ (2 RT. ILS. FRESH SCARS) PEROMYSCUS TRUEI 209-106-24-19<sup>(N)</sup> 31.8

4 1/2 MI. N, 3 MI. W KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT. 9

1165 ♂ (FES 3X5 EPID.) GEOGNATHUS LONGIMEMBRIS 121-67-17-6<sup>(N)</sup> 5.3  
1166 ♀ (NO EMB'S) " " 138-79-17-- 7.3

4 MI. N, 3 1/2 MI. W TRUCKHAUGH, 21 MI. NW KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT. 9

1167 ♂ (FES 1X2 EPID.) PEROMYSCUS CRINITUS 168-91-18-19<sup>(N)</sup> 9.5

4 MI. N, 4 1/2 MI. W TRUCKHAUGH, 21 MI. NW KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT 8

1168 ♀ (NO EMB'S) GEOGNATHUS FORMOSUS 162-95-22-11<sup>(N)</sup> 11.9  
1169 ♂ (FES 1X2 EPID.-) " " 168-93-22-11<sup>(N)</sup> 14.0  
1170 ♂ " " " 189-113-22-11<sup>(N)</sup> 12.1  
1171 ♀ (NO EMB) " " 172-93-22-10<sup>(N)</sup> 12.8



A.C. ZIEGLER  
1958

Catalog

21  
4 mi. N, 4 1/2 mi. W TRUCK HAVEN, 3 mi. NW LAKE SPRINGS, IMPERIAL CO., CALIFORNIA.

- 1172 ♀ (NO EMB) PEROGNATHUS FORMOSUS 188 - 106 - 21 - 11<sup>(N)</sup> 12.2  
SGAT 8 DIGO OCT. 7, 1959  
1173 COLONYX VARIATUS  
1174 ♀ (1 RT, 2 LT SCARS) PEROMYSCUS CRINITUS 169 - 88 - 16 - 17<sup>(N)</sup> 10.7  
SGAT 9. COHN W & Z LIOCKER

3 1/4 mi. S, 2 1/4 mi. E SCISSORS CROSSING, EMERYVILLE VALLEY, SAN DIEGO CO., CALIF.

SGAT 10

- 1175 ♂ (TES 1x3mm GP10) PEROGNATHUS HONOREMENSIS 137 - 72 - 17 - 7<sup>(N)</sup> 9.2  
1176 ♂ (TES 2x3 GP10) " " 137 - 75 - 19 - 7<sup>(N)</sup> 8.6  
1177 ♀ (NO EMB) PEROGNATHUS FANLOR 179 - 101 - 22 - 9<sup>(N)</sup> 16.4  
1178 ♂ (TES 2x4mm GP10) " " 196 - 107 - 24 - 9<sup>(N)</sup> 19.5  
1179 ♀ (NO EMB) " " 178 - 104 - 23 - 10<sup>(N)</sup> 16.8  
1180 ♀ (NO EMB) PEROMYSCUS MESSENERI 246 - 148 - 37 - 13<sup>(N)</sup> 39.6  
1181 ♀ (NO EMB) " " 246 - 150 - 37 - 14<sup>(N)</sup> 38.0  
1182 ♀ (RT, LT SCARS) " " 254 - 152 - 38 - 13<sup>(N)</sup> 43.3  
1183 ♂ (TES 2x4 GP10) " " 256 - 152 - 38 - 14<sup>(N)</sup> 41.4  
1184 ♂ (") " " 253 - 156 - 36 - 12 1/2<sup>(N)</sup> 38.7  
1185 ♀ (1 RT, 2 LT SCARS) " " 241 - 144 - 36 - 12<sup>(N)</sup> 37.1  
1186 ♂ (TES 2x5 GP10) " " 247 - 148 - 37 - 13<sup>(N)</sup> 38.5  
1187 ♂ (TES 2x5 GP10) " " 243 - 147 - 35 - 13<sup>(N)</sup> 35.9  
1188 ♂ (TES 2x12 GP10+) " " 248 - 144 - 38 - 14<sup>(N)</sup> 46.5  
1189 ♂ (TES 2x9mm GP10) " " 264 - 156 - 38 - 14<sup>(N)</sup> 45.9  
1190 ♂ (TES 3x8 GP10) ONYCHOMYS TORRIDUS 145 - 47 - 21 - 17<sup>(N)</sup> 22.3  
1191 ♂ (") " " BACK BROKEN 153 - 52 - 21 - 18<sup>(N)</sup> 20.4  
1192 ♀ (NO EMB) " " 145 - 53 - 21 - 16<sup>(N)</sup> 17.0  
1193 ♀ (") " " 142 - 53 - 20 - 17<sup>(N)</sup> 17.1  
1194 ♀ (") " " 151 - 52 - 21 - 18<sup>(N)</sup> 19.7



A.C. ZIEGLER  
1958

Captain

2 $\frac{3}{4}$  MI. S, 2 $\frac{1}{2}$  MI. E Scissors Crossing, Escondido Valley, San Diego Co., Calif.

SEPT. 10 ~~(1958)~~

1195	♂ <sup>(1ES 5X7)</sup>	THOMOMYS	BOTTAE?	197-61-28-6 <sup>(W)</sup>	88.8
1196	♀ <sup>(NO EMB'S)</sup>	"	"	195-62-24-6 <sup>(W)</sup>	82.3

Scissors Crossing, Escondido Valley, San Diego Co., Calif.

SEPT. 10

1197	♀ <sup>(NO EMB'S)</sup>	DIPODOMYS	<del>ARTILLIS</del>	307-196-43-18 <sup>(W)</sup>	58.0
1198	♂ <sup>(1ES 5X6 5X10)</sup>	ONYCHOMYS	TORREIUS	145-52-19-16 <sup>(W)</sup>	20.5
1199	♂ <sup>(1ES 5X10)</sup>	PEROGNATHUS	LONGIMEMBRIS	136-73-19-6 <sup>(W)</sup>	7.5

GLENCREE CAMPGROUND, 2 $\frac{1}{4}$  MI. N Buckman Springs, San Diego Co., Calif.

SEPT. 11

1200	♂ <sup>(1ES 6X3 5X10)</sup>	PEROMYSCUS	BOYLEI?	188-96-21-18 <sup>(W)</sup>	27.3
1201	♂ <sup>(1ES 5X9 5X10)</sup>	"	"	180-98-23-18 <sup>(W)</sup>	19.5
1202	♀ <sup>(2RT. 1LT. 8mm EMB'S)</sup>	"	"	194-101-21-18 <sup>(W)</sup>	26.1

SEND THING VALLEY, 4625 $\pm$  FT, SAN DIEGO CO., CALIFORNIA

SEPT. 11

1203 HYLA

1204 UTA

1205 "

1206 ♂<sup>(1ES  
5X3)</sup> SCOTOPHIS

IRIS DARK BROWN 46.0mm

SEPT. 12

1207 ♀<sup>(1RT. 1LT.  
35mm  
EMB'S)</sup> DIPODOMYS ARTILLIS

272-165-42-15<sup>(W)</sup> 62.4

1208 ♀<sup>(NO  
EMB'S)</sup> " "

260-158-42-16<sup>(W)</sup> 43.0

1209 ♀<sup>(NO  
EMB'S)</sup> " "

262-158-43-15<sup>(W)</sup> 40.4

1210 ♂<sup>(1ES  
8X4  
5X10)</sup> THOMOMYS BOTTAE

195-58-25-7<sup>(W)</sup> 19.0





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CATALOG

SENO TRING VALLEY, 4625<sup>±</sup> FT., SAN DIEGO CO., CALIFORNIA

SEPT. 12 (CONT.)

1211	♀ (2 RT, 2 LT, 2 mm emb's)	<u>MICROTUS</u>	159 - 45 - 20 - 16 <sup>(N)</sup>	47.1
1212	♂ (TES 7x10, 6x10+)	<u>PEROMYSCUS MANICULATUS</u>	170 - 77 - 21 - 20 <sup>(N)</sup>	25.3
1213	♂ (TES 8x10+)	"	157 - 72 - 20 - 17 <sup>(N)</sup>	19.6
1214	♂ (TES 7x10, 6x10+)	"	150 - 65 - 20 - 20 <sup>(N)</sup>	23.8
1215	♂ (TES 6x10, 6x10+)	"	146 - 62 - 19 - 17 <sup>(N)</sup>	20.7

3 1/4 MI. N. MONZANITA, 3600<sup>±</sup> FT., MCCAIN VALLEY, SAN DIEGO CO., CALIF.

1216	♂ (TESTES? SEEN, 50 EMB'S)	<u>MYOTIS SUBULATUS?</u>	BACKBONE & GUTS SHOT AWAY - - 32 - 6 - 14 <sup>(N)</sup> NO WT.
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SEPT. 13

1217	♀ (NO EMB'S)	<u>THOMOMYS BOTTAE?</u>	196 - 66 - 24 - 6 <sup>(N)</sup>	78.6
1218	♀ (NO EMB'S)	<u>DIPodomys AGRIUS</u>	292 - 180 - 42 - 17 <sup>(N)</sup>	60.0
1219	♀ (PAT. & LT. SCARS, 10 EMB'S)	"	290 - 177 - 44 - 17 <sup>(N)</sup>	58.0
1220	♀ (2 RT, 1 LT, 10 mm emb's)	"	287 - 175 - 43 - 17 <sup>(N)</sup>	61.6
1221	♀ (NO EMB'S)	<u>PEROGNATHUS LONGIMEMBRIS</u>	132 - 71 - 18 - 6 <sup>(N)</sup>	7.3
1222	♂ (TES 5x10, 6x10+)	<u>PEROMYSCUS CALIFERNICUS?</u>	220 - 117 - 25 - 24 <sup>(N)</sup>	32.5
1223	♀ (NO EMB'S)	<u>ONYCHOMYS TORCIOSUS</u>	143 - 52 - 21 - 18 <sup>(N)</sup>	20.8
1224	♂ (TES 7x10, 6x10+)	<u>PEROMYSCUS MANICULATUS</u>	162 - 74 - 21 - 19 <sup>(N)</sup>	25.5
1225	♂ (TES 6x10, 6x10+)	"	158 - 77 - 19 - 18 1/2 <sup>(N)</sup>	18.8

1 1/4 MI. N, 1/3 MI. E AGUANGA, 2300<sup>±</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14

1226		<u>LICHANURA ROSEOFUSCA.</u>	SNOUT-VENT 850 mm.	
1227	♂ (TES 2x3, 6x10)	<u>PEROGNATHUS FALLAX</u>	210 - 118 - 24 - 10 <sup>(N)</sup>	26.1
1228	♂ (")	"	210 - 120 - 25 - 9 <sup>(N)</sup>	21.6
1229	♀ (NO EMB'S)	"	211 - 120 - 25 - 10 <sup>(N)</sup>	24.6



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1/4 mi. N, 1/3 mi. E AGUANITA, 2300<sup>±</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14 (cont.)

1230 ♂	( $\frac{TE8}{3 \times 6}$ EPIO.-)	<u>PEROMYSCUS</u> <u>CRINICUS</u>	176 - 97 - 21 - 19 <sup>(N)</sup>	16.2
1231 ♂	( $\frac{TE8}{3 \times 5}$ EPIO.-)	<u>PEROMYSCUS</u> <u>MANICULATUS</u>	146 - 71 - 19 $\frac{1}{2}$ - 15 <sup>(N)</sup>	12.1
1232 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	<u>ONYCHOMYS</u> <u>TARRIUS</u>	137 - 50 - 21 - 16 <sup>(N)</sup>	19.4
1233 ♂	( $\frac{TE8}{2 \times 3 \times 3}$ EPIO.-)	<u>PEROGNATHUS</u> <u>FALHAY</u>	203 - 112 - 26 - 9 <sup>(N)</sup>	26.0
1234 ♀	(NO EMB.)	"	205 - 114 - 24 - 9 <sup>(N)</sup>	23.0
1235 ♀	( " )	"	203 - 111 - 24 $\frac{1}{2}$ - 9 $\frac{1}{2}$ <sup>(N)</sup>	24.9
1236 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	"	212 - 118 - 25 - 9 <sup>(N)</sup>	27.6
1237 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	"	210 - 118 - 24 - 9 <sup>(N)</sup>	24.3
1238 ♀	(NO EMB.)	"	201 - 110 - 24 $\frac{1}{2}$ - 9 <sup>(N)</sup>	23.0
1239 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	"	211 - 116 - 24 - 9 <sup>(N)</sup>	24.0
1240 ♂	( $\frac{TE8}{1 \times 7 \times 3}$ EPIO.-)	"	198 - 110 - 24 - 9 <sup>(N)</sup>	20.0
1241 ♂	( $\frac{TE8}{2 \times 3}$ EPIO.-)	"	213 - 115 - 24 - 9 $\frac{1}{2}$ <sup>(N)</sup>	30.5
1242 ♂	( " )	"	218 - 119 - 25 - 10 <sup>(N)</sup>	30.0
1243 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	"	205 - 112 - 24 - 10 <sup>(N)</sup>	27.0
1244 ♂	( $\frac{TE8}{2 \times 3}$ EPIO.-)	"	197 - 108 - 24 - 9 <sup>(N)</sup>	23.2
1245 ♂	( " )	"	205 - 114 - 24 - 9 <sup>(N)</sup>	23.0
1246 ♀	(NO EMB.)	"	204 - 116 - 25 - 9 <sup>(N)</sup>	22.3
1247 ♀	( " )	"	196 - 107 - 24 - 9 <sup>(N)</sup>	21.5
1248 ♂	( $\frac{TE8}{2 \times 3}$ EPIO.-)	"	212 - 119 - 24 - 9 <sup>(N)</sup>	24.0
1249 ♂	( " )	"	194 - 103 - 25 - 10 <sup>(N)</sup>	22.7
1250 ♂	( " )	"	197 - 104 - 23 $\frac{1}{2}$ - 10 <sup>(N)</sup>	22.9
1251 ♂	( " )	"	202 - 110 - 25 - 9 <sup>(N)</sup>	21.7
1252 ♂	( $\frac{TE8}{2 \times 3}$ EPIO.-)	"	203 - 111 - 26 - 10 <sup>(N)</sup>	29.1
1253 ♂	( $\frac{TE8}{2 \times 4}$ EPIO.-)	"	211 - 117 - 25 - 9 <sup>(N)</sup>	22.7
1254 ♂	( " )	"	201 - 111 - 24 - 9 <sup>(N)</sup>	23.5
1256 ♂	( $\frac{TE8}{2 \times 5}$ EPIO.-)	"	217 - 116 - 25 - 9 <sup>(N)</sup>	30.7



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PATAGONIA

1 1/4 MI. N, 1/3 MI. E ARAUCO, 2300 ± FT., RIVERSIDE CO., CALIF.

SEPT. 14. CONT'D

1257 ♂ (TES 2x4, 2x0-)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	207 - 114 - 23 - 9 <sup>(N)</sup>	25.2
1258 ♂ (")	"	"	210 - 116 - 24 - 10 <sup>(N)</sup>	29.8
1259 ♂ (")	"	"	216 - 116 - 24 - 10 <sup>(N)</sup>	26.0
1260 ♂ (")	"	"	213 - 116 - 25 - 9 <sup>(N)</sup>	25.2
1261 ♀ (SEX COEXISTENT, NO EMB'S)	<u>VECONIA</u>		325 - 155 - 33 - 30 <sup>(N)</sup>	170.5
1262 ♀ (NO EMB'S)	"		300 - 156 - 32 - 32 <sup>(N)</sup>	122.4

1/4 MI. ENE ARAUCO, 2050 ± FT., RIVERSIDE CO., CALIF.

SEPT. 14

1263	<u>PEROGNATHUS LONGIMEMBRIS</u>		131 - 72 - 18 1/2 - 7 <sup>(N)</sup>	8.2
1264 ♀ (NO EMB'S)	<u>ONYCHOMYS TOREOUS</u>		136 - 48 - 20 - 17 <sup>(N)</sup>	20.0
1265 ♂ (TES 2x3, 2x0-)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	202 - 111 - 24 - 9 <sup>(N)</sup>	25.5
1266 ♂ (")	"	"	205 - 116 - 24 - 9 1/2 <sup>(N)</sup>	22.0
1267 ♀ (NO EMB'S)	"	"	206 - 117 - 25 - 9 <sup>(N)</sup>	21.6
1268 ♂ (TES 2x3, 2x0-)	"	"	203 - 111 - 24 - 9 <sup>(N)</sup>	23.1
1269 ♀ (NO EMB'S)	"	"	203 - 112 - 24 1/2 - 9 <sup>(N)</sup>	20.8
1270 ♀ (")	"	"	200 - 107 - 25 - 10 <sup>(N)</sup>	23.9
1271 ♂ (TES 2x3, 2x0-)	"	"	201 - 108 - 24 - 10 <sup>(N)</sup>	23.0
1272 ♀ (NO EMB'S)	"	"	200 - 107 - 24 - 9 <sup>(N)</sup>	20.0
1273 ♀ (NO EMB'S)	<u>PEROGNATHUS</u>	<u>CALIFORNICUS?</u>	197 - 111 - 26 1/2 - 10 1/2 <sup>(N)</sup>	16.3
1274 ♀ (NO EMB'S)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	198 - 109 - 25 - 9 <sup>(N)</sup>	21.2
1275 ♂ (TES 2x4, 2x0-)	"	"	218 - 121 - 25 1/2 - 9 <sup>(N)</sup>	27.6
1276 ♀ (NO EMB'S)	"	"	200 - 114 - 23 - 9 <sup>(N)</sup>	20.0
1277 ♀ (")	"	"	190 - 110 - 22 - 9 <sup>(N)</sup>	19.3
1278 ♂ (TES 2x3, 2x0-)	"	"	195 - 108 - 24 - 9 <sup>(N)</sup>	21.5
1279 ♀ (NO EMB'S)	"	"	198 - 109 - 24 - 9 <sup>(N)</sup>	21.2

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CANONOG

1/4 MI. ENE AQUANA, 2050<sup>±</sup> FT., RIVERSIDE CO., CALIFORNIA

SEPT. 14 (CONT'D)

1280 ♀ (NO EMB'S)	<u>PEROGNATHUS PARVUS</u>	194 - 107 - 23 - 10 <sup>(W)</sup>	21.8
1281 ♀ (" )	" "	203 - 115 - 24 - 9 <sup>(W)</sup>	21.0
1282 ♂ (TES 2x3 EPI.O. -)	" "	218 - 116 - 25 - 10 <sup>(W)</sup>	21.1
1283 ♀ (NO EMB'S)	" "	216 - 123 - 24 - 9 <sup>(W)</sup>	29.4
1284 ♀ (" )	" "	214 - 124 - 25 - 10 <sup>(W)</sup>	26.5
1285 ♀ (" )	" "	200 - 110 - 24 - 9 <sup>(W)</sup>	21.2
1286 ♂ (TES 2x3 EPI.O. -)	" "	<del>202</del> 121 - 25 - 9 <sup>(W)</sup>	23.1
1287 ♂ (TES 3x5 EPI.O. -)	<u>LEITHRODONTOMYS MERIOTIS</u>	144 - 76 - 17 - 13 <sup>1/2</sup> (W)	8.5
1288 ♀ (NO EMB'S)	<u>ONYCHOMYS TORRIDUS</u>	134 - 50 - 79 - 16 <sup>(W)</sup>	16.9
1289 ♀ (" )	<u>PEROMYSCUS CRIMICUS</u>	194 - 103 - 20 - 17 <sup>(W)</sup>	19.1
1290 ♂ (TES 5x6mm EPI.O. -)	" "	190 - 106 - 20 - 18 <sup>(W)</sup>	18.4
1291 ♀ (NO EMB'S)	" "	181 - 100 - 20 - 19 <sup>(W)</sup>	17.1
1292 ♂ (TES 2x4 EPI.O. -)	" "	186 - 100 - 20 <sup>1/2</sup> - 19 <sup>(W)</sup>	16.8
1293 ♀ (NO EMB'S)	" "	194 - 103 - 20 - 20 <sup>(W)</sup>	19.4
1294 ♀ (" )	" "	194 - 111 - 21 - 19 <sup>(W)</sup>	19.3
1295 ♂ (TES 2x4 EPI.O. -)	" "	195 - <del>104</del> - 20 - 18 <sup>(W)</sup>	16.6
1296 ♂ (TES 5x9 EPI.O. -)	" "	176 - 96 - 18 - 17 <sup>(W)</sup>	14.6
1297 ♀ (NO EMB'S)	<u>PEROMYSCUS MANICULATUS</u>	153 - 71 - 20 - 17 <sup>(W)</sup>	14.6
1298 ♂ (TES 5x9 EPI.O. +)	" "	168 - 78 - 21 - 16 <sup>(W)</sup>	19.4
1299 ♂ (TES 5x8 EPI.O. +)	" "	153 - 68 - 20 - 16 <sup>(W)</sup>	16.5

1 MI. SE AQUANA, 2150<sup>±</sup> FT., RIVERSIDE CO., CALIFORNIA

SEPT. 14

1300 ♀ (NO EMB'S)	<u>PEROGNATHUS LONGIMEMBRIS</u>	125 - 67 - 17 - 6 <sup>(W)</sup>	5.9
1301 ♂ (TES 1x2 EPI.O. -)	" "	<u>119 - 60</u> - 17 <sup>1/2</sup> - 6 <sup>(W)</sup>	7.0
1302 ♂ (" )	" "	133 - 77 - 18 - 7 <sup>(W)</sup>	8.4





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1 MI. SE AQUANA, 2150<sup>±</sup> FT., RIVERSIDE CO. CALIFORNIA

SEPT 14 (CONT'D)

1303	♂	( <sup>TES</sup> <sub>3x6</sub> EAD.-)	<u>PEROMYSCUS</u>	<u>CRINICUS</u>	187-101-20-18 <sup>(N)</sup>	17.7
1304	♀	( <sup>NO</sup> EMB'S)	"	"	183-102-20-17 <sup>(N)</sup>	14.7
1305	♂	( <sup>TES</sup> <sub>1x3mm</sub> EAD.-)	"	"	184-99-20-18 <sup>(N)</sup>	14.6
1306	♀	( <sup>NO</sup> EMB'S)	"	"	181-96-20-17 <sup>(N)</sup>	14.2
1307	♀	( <sup>"</sup> )	<u>PEROMYSCUS</u>	<u>MANICULATUS</u>	165-72-20½-17 <sup>(N)</sup>	18.1
1308	♂	( <sup>TES</sup> <sub>5x10</sub> EAD.+)	"	"	155-70-20-16 <sup>(N)</sup>	17.9
1309	♂	( <sup>TES</sup> <sub>2x4</sub> EAD.-)	<u>PEROGNATHUS</u>	<u>FALHAT</u>	200-113-24-9 <sup>(N)</sup>	18.0
1310	♂	( <sup>"</sup> )	"	"	187-100-24-9 <sup>(N)</sup>	18.6
1311	♂	( <sup>"</sup> )	"	"	199-111-24-9 <sup>(N)</sup>	17.4
1312	♂	( <sup>"</sup> )	"	"	198-113-24½-9 <sup>(N)</sup>	18.5
1313	♀	( <sup>NO</sup> EMB'S)	"	"	200-107-25-10 <sup>(N)</sup>	24.5
1314	♀	( <sup>"</sup> )	"	"	200-110-24-9 <sup>(N)</sup>	21.1
1315	♂	( <sup>TES</sup> <sub>2x4</sub> EAD.-)	"	"	199-113-24-9 <sup>(N)</sup>	19.5
1316	♂	( <sup>"</sup> )	"	"	195-107-24-8½ <sup>(N)</sup>	17.6
1317	♀	( <sup>NO</sup> EMB'S)	"	"	199-111-23-9 <sup>(N)</sup>	19.1

½ MI. NE AQUANA, 2100<sup>±</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14

1318	♂	( <sup>TES</sup> <sub>13x27mm</sub> EAD.-)	<u>SYLVILABUS</u>	<u>AUDUBONI</u>	350-40-90-25 <sup>(N)</sup>	92.0
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2 MI. N ST. MARYS COLLEGE, CONTRA COSTA CO., CALIF.

OCT. 1

1319	♂	( <sup>TES</sup> <sub>1x1</sub> EAD.?)	<u>Sorex</u>	<u>ORNATUS</u>		
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BROT. IN BY CAT. GIFT OF TOM CROOK  
101-39-11-8<sup>(N)</sup> 4.2

SHELL BEACH, 30<sup>±</sup> FT., SONOMA CO., CALIFORNIA

SKULL ONLY

1320	♂	( <sup>TES</sup> <sub>1x1</sub> EAD.?)	<u>Sorex</u>	<u>VAGRANS</u>		
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PREP'D OCT. 7

FOUND DEAD OCT. 5, 1958 BY HAMILTON  
109-45-13-7<sup>(N)</sup> 3.7

TO: ZOOLOGICAL  
DEPT. UNIV. CALIF.



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CATALOG

"SAN FRANCISCO BAY AREA," CALIFORNIA

1321 ♀ (NO EMB'S) LABINUS CINEREUS <sup>REDS THAN DR. USINOS at ENT. DEPT. ABOUT</sup> KILLED OCT. 17, COLL. BY (?) ABOUT SEPT. 17, 1958, DIED OCT. 15, 1958  
<sup>TAIL PRICK IN CURLED POSITION</sup> 130<sup>±</sup> - 60<sup>±</sup> - 10 - 17<sup>(N)</sup> 15.2cm

ALAMEDA (LAWN AT SHERMAN ST.), ALAMEDA CO., CALIFORNIA

13220 ♂ (TES 6x11, COLO?) SCARABUS LATIMANUS <sup>KILLED OCT. 27. COLL. BY MR. J.E. MCCORMICK OCT. 25, 58</sup> 172-39-20-0 50.0

SAN PABLO CREEK (SALT MARSH), RICHMOND, CONTRA COSTA CO., CALIF.

NOV. 9 COLL. BY GEO. F. FISLER & MVB.  
1323 ♀ (NO EMB. 17x16.5, FLATTENED HEAVY MAMMARY TISSUE) SOERX VALEANS HALICOTIDES 107-41-13-7<sup>(N)</sup> 5.6  
1324 ♀ (NO EMB'S) " " " 47-40-13-7<sup>(N)</sup> 4.5  
1325 ♂ (TES 1x11mm, COLO?) " " " 98-41-13-6<sup>(N)</sup> 4.5  
1326 ♂ (TES " " " " " 100-40-12-7<sup>(N)</sup> 4.1  
1327 ♂ (TES " " " " " 94-39-13-6<sup>(N)</sup> 4.2

1.0 MI. N, 2.0 MI. E MARTINEZ (SALT MARSH), CONTRA COSTA CO., CALIF.

NOV. 15 COLL. BY GEO. F. FISLER & MVB.  
1328 ♀ (NO EMB'S) SOERX ORNATUS CALIFORNICUS <sup>BACK BROKEN</sup> 100-34-11-7<sup>(N)</sup> 3.7  
1329 ♂ (TES 1x11mm, COLO?) " " " 91-34-11-7<sup>(N)</sup> 3.8  
1330 ♂ (TES 1x13mm, COLO?) " " " 94-34-11½-7<sup>(N)</sup> 4.7

CORRAN HOLLOW, ALAMEDA CO., CALIFORNIA

1331 ♂ (TES 6x10mm, COLO?) PIRODONYX HEEGMANNI <sup>CACT'S JUNE 10, 1956, DIED DEC. 3, 1958</sup> 292-180-45-14<sup>(N)</sup> 40.8

AMBOY CREEK, SAN BERNARDINO CO., CALIFORNIA

1332 SAURIMANUS OBESUS <sup>COLLECTED JUNE 20, 1956 DIED FEB 1959 COLL. JOHN F. LAWRENCE #96</sup> END 1958 CATALOG

MVB  
#67851



Ziegler, A. C.

1958

Journal



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1958

## JOURNAL

BROOKS ISLAND, 10<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 5.

PUT UP 5 BLACKISH MUS TRAPPOES BY PAUL  
H. ANDERSON & JOHN C. ONORIAS ON ISLAND. THEY  
SET OUT 25 MUS. SPECIES FROM 9:AM TO 11 AM  
& GOT 6 MUS - 1 EATEN IN TRAP. ISLAND IS  
SHOWN ON USGS TOPO SAN FRANCISCO, CALIF  
EDITION OF JUNE 1915, REPR. 1932. PAUL SAYS  
A BREAKWATER HAS BEEN BUILT UP FROM NW  
TIP OF ISLAND PASSING CLOSE TO THE SW TIP  
OF SHOAL POINT AS ON TOPO SHEET. MICE  
TRAPPED HERE CLOSE TO  
GRASS IN  
6" OR SO  
NIA IN LOW  
TRAPPING  
OF ISLAND HAS NO  
TIMBERS LEFT FROM AN OLD QUARRY. ONLY A  
FEW BUCKEYES FOR NAILS, PAUL SAYS AT  
LEAST 2 INDIAN KITCHEN MIDDENS OR SHOWN  
MOUNDS ARE AT SHORELINE ON NE FACE  
OF ISLAND. HE FOUND HUMAN RADIUS & ULNA  
IN WAVE-WASHED FACE OF ONE BEACH. A  
FEW GARTER SNAKES SEEN ON ISLAND LAST  
YEAR BUT NONE THIS TRIP. RATTIES SEEM TO  
BE COMMON - MAKING MARKED TRAILS IN  
GRASS & BUSHES ON ISLAND. PAUL SAYS MAY  
HAVE BEEN BURNT AUSE OCTOBER 1956. COMING







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JOURNAL

BROOKS ISLAND, 10<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 5  
(cont.)

MAY HAVE BEEN GROSSED HERE BEFORE SINCE  
PILE OF COW BONES SEEN. ADUL "EMBOSSED"  
A COLONY OF MICROTUS ON THE SMALL ISLAND  
JUST A COUPLE OF HUNDRED YARDS SE OF  
BROOKS LAST YEAR SOME TIME. SAID ON  
MAIN ISLAND HE SAW ONLY MUS & RATTUS.  
BROOKS IS ROUGHLY  $\frac{1}{4}$  MI. WIDE,  $\frac{1}{2}$  MI. LONG &  
HIGHEST PT. IS 140<sup>±</sup> FT.

GIVEN #'s

JAN 8

SAN RAFAEL (5 WARNER COURT.) MARIN CO., CALIF.

DR RUDOLPH STONLOR OF U.C. REC'D 3 ALCOHOLIC  
MUS FROM MR. THOMAS W. PERRYMAN ABOUT JAN 3,  
1958. DR. STONLOR BROKE THEM TO DR BENSON OF  
MVZ WHO WROTE LETTER TO PERRYMAN JAN 3, 1958,  
REPLY JAN 6, 1958. 2 <sup>BLACK</sup> ~~BROWN~~ & 1 BROWN MUS PROBABLY  
PRESERVED IN "RUBBING" ALCOHOL COMPOUND.  
SKIN SHIPPING. GIVEN #'s A.C.Z. 987-989 &  
REC'D'S IN MVZ TO SHOW COLOR OF FUR. REC'D  
9444; MVZ #'s 122283-122285. NOTE WITH  
SPEC'S PROBABLY IN PERRYMAN'S WRITING SAID ONLY  
"

12-28-57

TAKEN IN TRAPS BY MR IRVING WARNER -  
5 WARNER COURT.

SAN RAFAEL

"



A.C.Z. | ~~1958~~  
1958

JOURNAL

Bordeney ("Head of Coronado Creek"), Alameda Co., Calif.

JAN 15

A BOY ABOUT 10 OR 12 CAME INTO MUSE WITH HIS MOTHER I GUESS & DONATED A HEMISPYRUS & A SCIURUS NIGER. THRUSH GIVEN TO WARD RUSSELL, I TOOK SQUIRREL FOR FORMER MUSE. FOR DR QUAY OF UNIV. CALIF. THRUSH FLEW INTO WINDOW & WAS KILLED A FEW DAYS AGO. SQUIRREL RUN OVER BY CAR TODAY & HAD CRACKED SKULL. WAS A BIG MALE - TESTES VERY OBVIOUS. #990 A.C.Z. Donor's name & address: MOTHER Kim HAYES, 55 TAMMERS RD, BERK. TH 8-8303, "HEAD OF CORONADO CREEK" "JAN 15" WAS ONLY DATA GIVEN TO MRS. SANCHEZ THE SECRETARY WHO HANDLES THE GIFT.

BROOKS ISLAND, 0<sup>±</sup> TO 50<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 18

RENTED \$4.00/DAY BOAT AT KELLER'S BOAT DOCK JUST THRU TUNNEL IN RICHMOND WITHOUT ANKERS. SON & DR. W<sup>m</sup> Z. L. DICKER OF MUSE & LEFT WITH ZOO BOAT. OUTBORED FOR BROOKS IS ABOUT 9:00 AM. LOOKED AT IS. & TOOK 2 PHOTOS LOOKING ROUGHLY N + NNW FROM ONE OF HIGHER POINTS TO SHOW VEGET. ON IS. GRASS ABOUT 10 INCHES TALL & THICK, SOME BACCHARIS. GRASS WET WITH DEW SO ANIMALS WOULD SEEM TO HAVE PLENTY OF WATER, SAW ONE FRESH WATER (TEMPERARY?) POND UP ABOUT 60 TO 80 FT. WHILE RAIN WATER PERHAPS HAD COLLECTED ABOUT 1-2 FT. DEEP & 6-8 FT. IN DIAMETER. ALSO ON SE SIDE SAW



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BROOKS ISLAND, 0<sup>±</sup> TO 50<sup>±</sup> FT., CONDES. COSTA CO., PANAMA.

JAN. 18  
(CONT.)

2 FRESH WATER (ACC. TO ANDERSON WHO HAD TAKEN THEM) MACHINES WITH CATTAILS AT ELEVATION OF ONLY 10 OR 20 FT. NEAR OLD QUARRY OPERATIONS. SAW A SPARROW HAWK + DR. L. SAW A LARGER HAWK (BUTEO?). RATTUS FECEST + WORK-INGS EVIDENT, NO OTHER TRAILS IN GRASS SEEN THO. 19 MUS, ALL DARKISH, CAUGHT IN 40 MVS. SPECIES + 3 RAT TRAPS SET OUT FROM 11 AM TO 3 PM. DR. L. SET 14<sup>±</sup> LIVE TRAPS + ~~11~~ ~~MVS~~ SPECIES + GOT 9 MUS. P. ANDERSON SET 17 MUS SPECIES + NO LIVE TRAPS AND GOT 7 OR 8 MUS. PAUL SAID ONLY BARRACASS PRESENT IN WAY OF AMPHIBS. HE IS DOING POLLINATION STUDY ON BROOKS, RED ROCK, AND MAINLAND. BY SETTING OUT 36 BOARDS 5' APART IN SQUARE ON EACH OF 3 ABOVE LOCALITIES + DESIGN-COUNT COUNTING + MARKING SAMPLERS UNDER THEM. DUG OUT INDIAN SKELETON FROM BANK JUST ABOVE WATER LINE ON NNE SHORE OF ISLAND CLOSE TO SHORE OF POINT RICHMOND. SAW 3 OR 4 DEAD DUCKS, COOTS AND/OR SHOULDER BODIES EATEN ALONG SHORE - ~~PROBABLY~~ BY RATTUS. PAUL HAS INTRODUCED MICROTUS ON A SMALL ISLAND 100 YDS OR SO ~~SW~~ W OF N POINT OF BROOKS + SAID THEY ARE DOING FINE. FOUND 2 CANIS PART SKELETS ON 2<sup>ND</sup> HIGHEST POINT OF BROOKS - 1 ADULT + 1 PUP VERY OLD SO MUST HAVE BEEN THERE FOR YEARS. ALSO WERE FOUND FRAG. SUS RIGHT EXT. AUDIT. MENTUS REGION - ALSO OLD.



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TOWNSHIP

BROOKS ISLAND, 0<sup>±</sup> TO 50<sup>±</sup> FT., CONTRA COSTA CO., CALIFORNIA

JAN. 18  
(CONT.)



BROOKS ID. LOOKING N. JAN 18, 1958



BROOKS ID. LOOKING NNW JAN. 18, 1958 QUITE HIGH TIDE



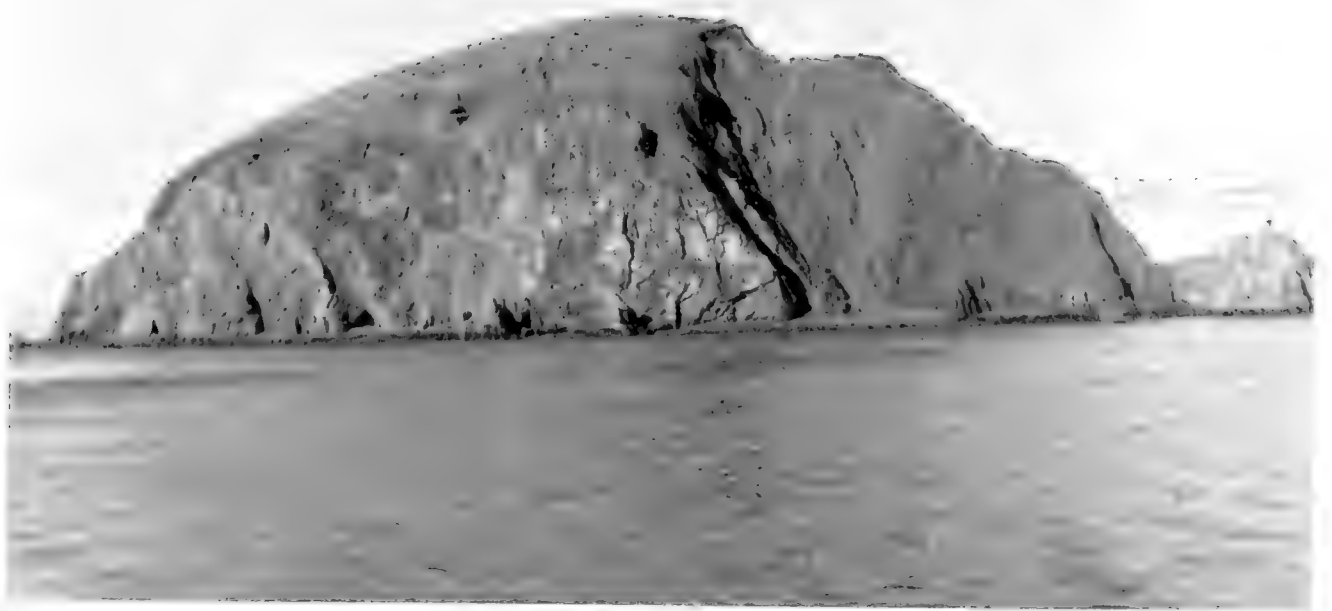


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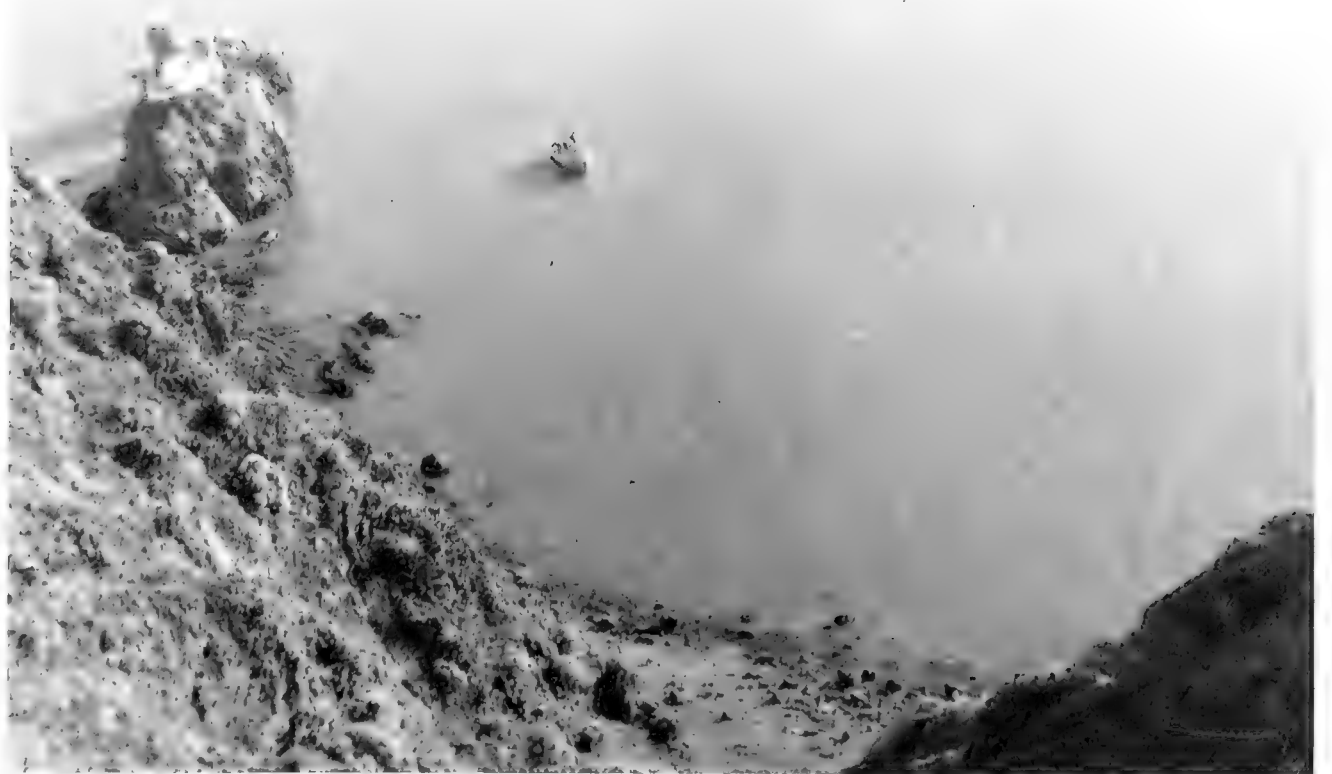
JOURNAL

BROOKS ISLAND, 0<sup>+</sup>1050<sup>+</sup> FT, CONTRA COSTA CO. CALIFORNIA

JAN. 18  
(CONT.)



Red Rock Id. from South. CINNABAR MINES VISIBLE ON SHORE. RICHMOND AND SAN RAFAEL BRIDGES IN BACKGROUND. TAKEN JAN. 18, 1958 FROM BOAT.



SOUTH SHORE OF Red Rock Id. from on rock. JAN. 18, 1958



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(CONT.)

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BROOKS ISLAND, 0<sup>+</sup> FT. TO 50<sup>+</sup> FT., CONTRA COSTA CO., CALIFORNIA

JAN 18.



DR. WM Z. LISKER + PAUL K. ANDERSON  
WORKING PAUL'S SARANANDEER BOSSO GRIS ON  
N END OF SUMMIT OF RED ROCK, JAN. 18, 1958



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JAN 18  
(CONT.)

BROOKS ISLAND, 0<sup>±</sup> TO 50<sup>±</sup> FT, CONTRA COSTA CO., CALIF.  
WENT TO RED ROCK JUST W OF MIDDLE OF NEW  
RICHMOND - SAW LAFAYETTE BRIDGE <sup>AT 3 PM.</sup> 2 OR 3 CAVE-IN  
SHAFTS OF CINNABAR MINES HEAD IN FROM NEAR  
WATER LINE. SW SHAPE IS FAIRLY ROCKY BUT  
N SHAPE RATHER MOIST WITH A FEW FEARS  
EVEN. GRASS UP TO A FOOT TALL, ALSO SOME  
POISON OIL. PAUL SAID HE HUNTED FOR MAMMALS  
BUT GOT NONE & WE SAW NO SIGN. 2 SPECIES  
OF SALAMANDERS - BAYRENSIS + AMEIOPS  
LUGUBRIS OCCUR HERE IN CONTRAST TO ONLY  
BAYRENSIS ON BROOKS. GOT BACK TO BOAT  
DOCK AT 5:00 PM. BIRDS IN BOAT: CAVES-  
BAIL, SURF SCOTER, SCURP, BUFFLEHEAD, GOLDEN  
EYE, COOT, W. GREBE (1), CRAB GRASS (2), AVOCET  
(30<sup>±</sup>), SHOREBIRDS, Gulls, CORMORANTS (3). ON BEI  
ISLAND - BROWN TOWNSE, W. CR(?) SPARROW, SPAR.  
HAWK. FOUND OWL OR HAWK PERCH ON DRIFT-  
WOOD NEAR SHORE ON BROOKS 40 mm x 15 mm <sup>CONSISTING</sup> OF  
AN INSECT + REMAINS (SILVER PART, ETC) OF 2 MUS  
FUR COULD WOULD BE MUS ALSO - DARK GRAY.



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1 mi. E, 2 mi. N Trona (San Bernardino Co.) <sup>1700± ft.</sup> Inyo Co. (Calif.)

JAN 29  
+ 30

LEFT BEVERLY AT 6:00 AM WITH DR. W.B. QUAY  
+ MRS. QUAY + DROVE FAIRLY STEADILY TO ABOVE  
LOCALITY ARRIVING ABOUT 4:30 PM JAN 29.  
ROAD MAP SHOWS TRONA JUST ON SAN BERN. CO. -  
INYO CO. LINE — ACTUALLY THE TOWN &  
LAKE ARE ABOUT  $1\frac{1}{2}$  MI. APART: TRONA TO  
THE SOUTH, LAKE TO THE NORTH. OUR NEAREST  
LOCALITY WAS REACHED BY DRIVING ABOUT  
2 MI. NNE ON HWY PAST TRONA + TAKING  
A DIRT ROAD  $\frac{3}{4}$  MI. E OUT INTO THE SAND  
+ SALT FLATS. AN AIRPORT LAY ABOUT A  
MILE FURTHER TO THE EAST OF US CLOSE  
TO THE BASE OF SLATE RANGE MTS. ARAB  
PEAK WAS TO THE NW OF US AND THE N  
END OF THE (DRY) SEARLES LAKE MUST  
HAVE BEEN CLOSE TO OUR CAMP. PHOTO  
TAKEN OF GENERAL HABITAT LOOKING NW  
JAN. 30. GROUND WAS WETTISH SAND WITH  
SOME OTHER TYPE OF MATERIAL IN IT TO  
SORT OF HOLD IT TOGETHER (MINERALS LEFT  
UPON DRYING UP OF SEARLES LAKE?) BUT  
THERE WERE 8 OR SO 20 X 30 FOOT, 8-10  
FT. HIGH SAND DUNES + THERE YIELDED  
A COUPLE OF D.P.O. DEBERTI TO DR QUAY.  
AREA HAD BEEN USED AS A GARBAGE DUMP  
AT TIMES SINCE SEVERAL SAITS HAD  
COLLECTIONS OF OLD CANS. VEGETATION WAS





# California

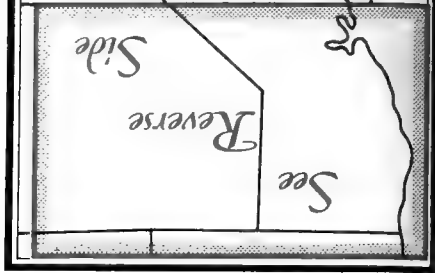
## UNION OIL ROAD MAP

U.S. INTERSTATE AND PRINCIPAL STATE HIGHWAYS SHOWN IN RED.  
Note: These are generally, but not always the best or shortest routes.

- Freeways (Full controlled access)  
No crossing at grade  
Points of interest (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)  
State Parks  
Points of interest (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)  
Paved Roads - all weather  
Improved Roads - second class  
Graded Roads - local inquiry  
Dirt Roads - wadded  
Other Roads (Improved or Unimproved)  
State Capitals  
County Seats  
State & U.S. Fish Hatcheries  
National Parks, Monuments and Cemeteries  
Mexican Numbered Highways

- POPULATION OF CITIES AND TOWNS.  
0-350  
350-1,000  
1,000-5,000  
5,000-10,000  
10,000-25,000  
25,000-50,000  
50,000-100,000  
100,000 and over  
Time Zone boundary between Pacific and Mountain Standard time. In some localities time is advanced one hour by local option.  
One inch equals approximately 20.5 miles  
Scale: 0 10 20 30 40 miles  
Copyright by Rand McNally & Company, Lithographed in U.S.A.

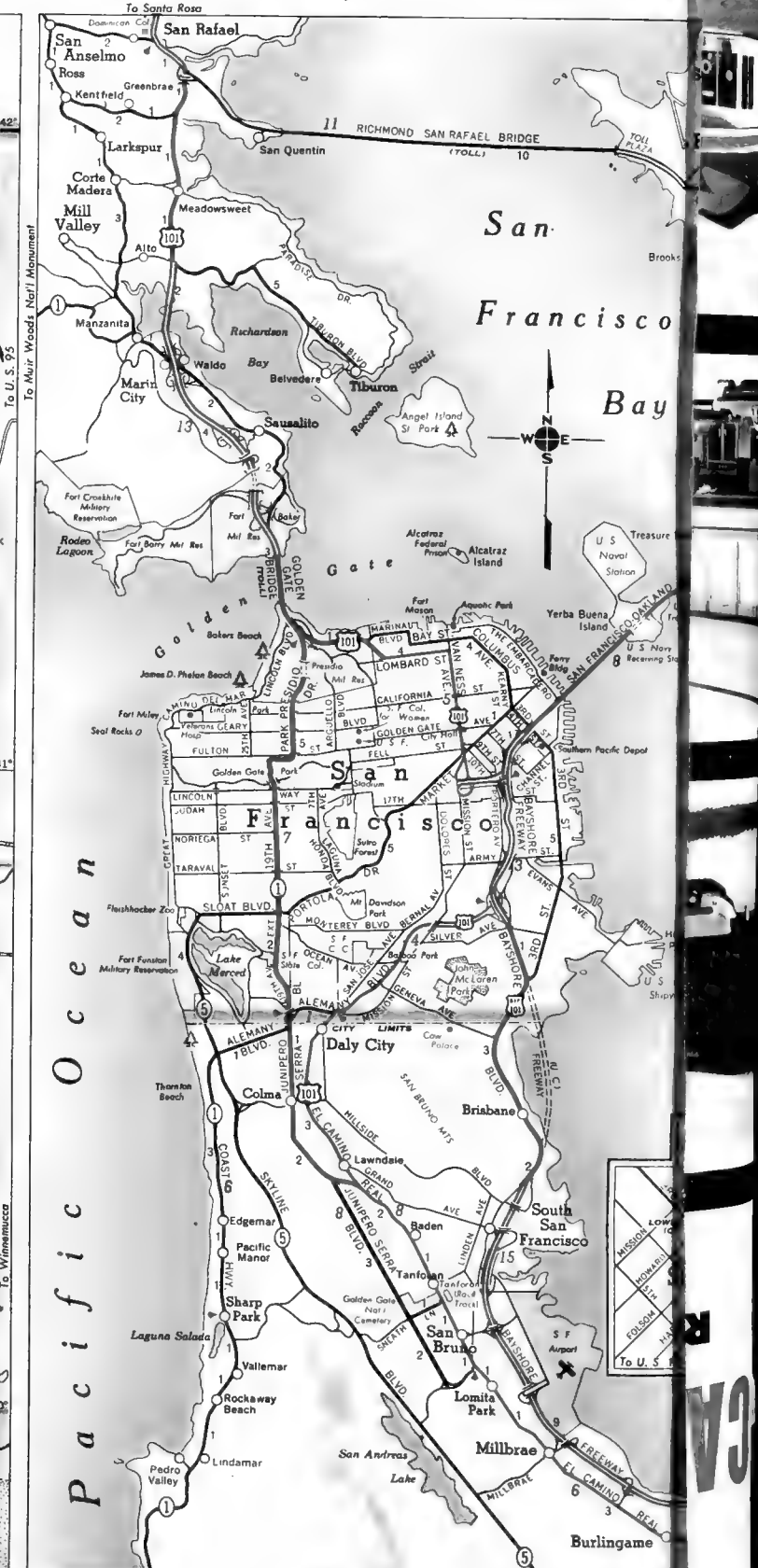
MAP CONTINUED ON REVERSE



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JAN 29-31



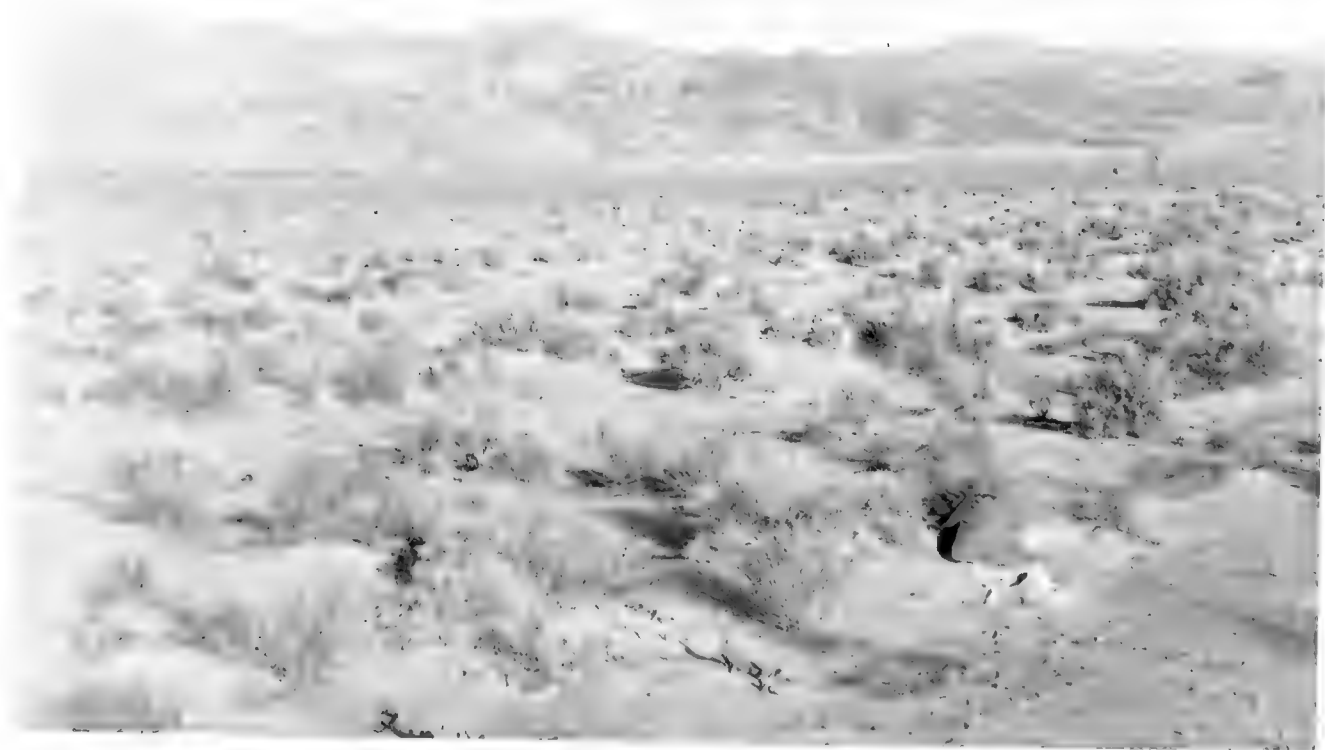


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1958

Townsend

1 mi. E, 2 mi. N TROYA (San Bernardino Co.), 1700<sup>±</sup> ft., Inyo Co, Calif.

JAN 30



TRAPPING AREA NEAR SERRAS HILLS. TRAPS  
SPREAD IN RT. FOREGROUND. PHOTO TAKEN JAN 30,  
1958 LOOKING NW TOWARDS PEAKS RANGE.



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1 mi. E, 2 mi. N Tona (Sandbarres No. 6.) <sup>1700<sup>+</sup> ft.</sup> Inyo Co, Calif.  
JAN 30 A FEW 1 TO 2 FT HIGH SMALL BUSHES  
(Artemisia?) ABOUT 8-10 FT. APART. SAW  
DOGS OR COYOTE TRACKS ON SAND, ALSO A  
FEW DEER OR SHEEP TRACKS AND 1 SET  
OF COW'S. 3 RAVENS ONLY BIRDS SEEN. SAW  
HOLES 2 1/2 TO 3 INCHES ACROSS IN DUNES BUT  
THEY DID NOT LOOK ACTIVE, POSSIBLY BECAUSE  
RECENT RAIN HAD SMOOTHED OUT SAND IN  
FRONT OF THEM. SET OUT ABOUT 80 MUSSES  
~~AND~~ AND 8 RAT TRAPS AT BASE OF  
SHRUBS, IN HEEH-DUG TRENCHES BETWEEN  
SHRUBS AND IN FRONT OF THE FEW  
HOLES SEEN. TRAPS BAITED WITH WALNUTS,  
~~THE~~ AND SET ROUGHLY 15-20 FT APART.  
ALSO SET OUT 30 <sup>small</sup> SHERMAN LIVE TRAPS  
IN SOME HABITAT & AT SAME DISTANCES.  
USING PECAN CRUMBS - OATMEAL - BIRDSEED  
MIXTURE AS DRY BAIT. NO SNAP TRAPS  
SPRUNG BUT IN ONE LIVE TRAP GOT A  
D. P. MERRIAM. DE QUAY SET OUT ABOUT  
30 OR SO LARGE & SMALL SHERMAN &  
WIRE-MESH LIVE TRAPS AT HOLES AND  
OUT IN OPEN ON FLATS & ON DUNES &  
GOT 2 D. P. DESERT. BRIGHT MOON MOST  
OF LAST NIGHT - SNOWY WIND FROM E,  
THEN S THEN BACK TO E BY MORNING. COLD  
IN WIND BUT OTHERWISE COMFORTABLE SHIRT-



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JAN. 30  
(CONT.)  
1 MI. E, 2 MI. N TROYA (San Bernardino Co.) 1700<sup>+</sup> FT. INYO Co., CALIF.  
SWEET WEATHER. SAW ONE BAT AFTER  
DUSK FLYING 3-4 FT UP AROUND ME  
TWICE WHILE SETTING TRAPS. LEFT ABOUT  
8:00 AM + ASSISTANT CHEMICAL COMPANIES  
EXTRACTING MINERALS FROM MUD IN  
SEARIES HAVE BOO DROVE TO WALKER PASS.

JAN 30  
(CONT.)  
1/2 MI SE (BY ROAD) WALKER PASS, 5100<sup>+</sup> FT., KERN Co., CALIF.  
AS WE NEARED THE SUMMIT OF THE  
PASS THE JOSHUA TREES SUDDENLY BEGAN  
TO APPEAR + MADE A FAIRLY DENSE STAND  
NEAR THE PASS. WE ROLLED OFF THE ROAD  
1/2 MI. E OF SUMMIT SIGN AND <sup>STOPPED</sup> JUST ACROSS  
THE ROAD FROM A U.S.G.S. BENCHMARK  
MARKED "V 291 WITH NO ELEVATION  
1935"

PRINTED UNIT. WE SHOOK JOSHUA TREES  
+ ROLLED FANNON OVER FOR ABOUT 20-30  
MINUTES ON S SIDE OF ROAD. FOUND AN  
ACTIVE WOOD RAT NEST IN MIDDLE OF  
A SHRUBBY BUSH BUT DID NOTHING OUT  
OF IT. FOUND BIT OF AN OLD LABRADORIAN  
SKULL. PULLED DOWN A SHORT DEAD JOSH.  
TREE STUMP + GOT <sup>SMALL</sup> SLOW-MOVING VERMILION  
WITH A JUST-SHED TAIL OUT OF HOLE IN GROUND  
AT BASE. DR + MRS QUAY ROLLED A FANNON  
OVER + GOT A SMALL SCORPION IN THE TAILS  
TOOK PHOTOS FROM 10:10 AM TO 10:40 AM. CLOUDS BEGAN.





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JAN 30  
(cont.)

7 mi. E (BY ROAD) MERCY, HOT SPRINGS, FRESNO Co., CALIF.

Drove thru BAILESFIELD & UP TO FIREBRIDGE  
& THENCE SW THRU MERCY & HOT SPRINGS &  
LLANAS TO ~~WEST~~ <sup>SPELLING "MERCY" ON MAPS BUT "MERCY" ON SIGN 1ST TOWN.</sup> PANACHE PASS. AT  
LOCALITY ABOVE, SAW 4 OR 5 KIT FOXES  
FOXES & A BOBCAT BOOIES TIED ON  
FENCE. ANIMALS TRAPPED APPARENTLY &  
THEIR CLUBBED FROM CONDUITS AT FEET &  
HEADS. SKULLS OF BOBCAT & SEVERAL OF  
FOXES GONE BUT TOOK WHOLE CARCASS OF  
A KIT FOX THAT STILL SEEMED IN GOOD SHAPE.  
FROM WALKER PASS TO ABOVE LOCALITY  
SAW LITTLE MAMMAL SIGN — ONLY  
CITELLUS IN FIELD & ROCKS ALONG WAY,  
THOSE IN VICINITY OF MTS AROUND PASS  
WERE ALMOST A CHESTNUT-BROWN COLOR  
WHILE THOSE IN VALLEY MORE GREYISH-  
BROWN. PIGMY PINE CONES WERE IN  
EVIDENCE IN HIGH ROCKY COUNTRY ALONG  
KERN RIVER & ISABERNIA RESER. SEEMED TO  
HAVE PLENTY OF WATER IN IT. GRASS SEEMS  
GREEN IN MANY PLACES IN VALLEY &  
SURROUNDING <sup>HILLS &</sup> COUNTRY ALTHO WE SAW SOME  
SPOTS IN VALLEY WHERE THERE WAS  
LITTLE EVIDENCE OF RECENT SNOW & FIELD  
SPRINKLERS WERE BEING OPERATED. ON THE  
ROUTE U.S. 99-U.S. 466 AND STATE 33 HIGHWAYS  
FROM BAILESFIELD TO FIREBRIDGE CHIEFCROSS



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JAN 30 (cont.) 7 mi. E (by road) Meadow Hot Springs, Fresno Co., Calif.  
SEEMED TO BE COTTON, RICE(?) AND  
PERHAPS SOME SUGAR BEETS. A LOT OF, IF ANY,  
GOOD TRAPPING LOCALITIES SEEN ALONG THIS  
ROUTE — LAND BEING FARMED OR FENCED  
FOR SHEEP OR CATTLE AND THE WAY TO  
PANOCHÉ PASS. <sup>SAY 20+ AM. EGGS IN CUT RICE FIELDS NEAR</sup> WE CAMPED AFTER DARK A MILE OR  
A FEW MILES TO W OF PASS & SET TRAPS BEFORE AND  
12 mi. SE (by road) PAICINES, SAN BENITO CO., CALIF.

JAN 31. IN 40 MUS. TRAPS & 4 RAT TRAPS SET ON  
GRAVELLY & ROCKY GROUND AMONG ARTEMISIA  
& TREE TOBACCO BUSHES CAPTURED 1 NEOTOMA,  
5 PEROMYSCUS MANICULATUS & 2 REITHRO,  
MEGALOTIS. IN LIVE TRAPS SET ON EXPOSED (N)  
SIDE OF ROAD AMONG ARTEMISIA ON STEEP  
SHADE GOT 9 PEROMYSCUS MANICULATUS & 2 REITHRO.  
DR QUAY SET ABOUT 30+ LARGEST & SMALL  
SHERMAN LIVE TRAPS & GOT 2 DIPLO. MEGALOTIS,  
1 P. MANICULATUS, & 1 REITHRO. SOME  
HOLE 2 INCHES IN DIA WERE SEEN IN  
GROUND BUT ONLY 1 LOOKED ACTIVE — MAYBE  
DIPLO HOLES. JUST BESIDE FENCE ALONG HIGHWAY  
SET 5 OR 6 GARDNER TRAPS & GOT 3 THOMOMYS.  
TUNNELS SHOWED LITTLE FRESH DIRT ALONG  
BUT THIS MAY HAVE BEEN THE EFFECT OF  
RECENT RAINS PACKING DOWN ANY FRESH DIRT.  
TUNNELS WHEN. DUG ~~OUT~~ INTO WERE BIG  
ENOUGH TO ADMIT A MAN'S ARM — THICK TRACKS



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12 MI. SE (BY ROAD) PACIFIC, SAN BENITO CO., CALIF.

JAN 31  
(CONT.)

SHEEP & RAN BUT GARTERS CANNOT BE  
NOT ESTABLISHED YET. HEARD GE. HORNING  
OWL & 2 BOREWINGS CARRYING LAST NITE.

COLD THEN & THIS AM - MOISTURE FROM  
ON CAR & SLEEPING BAGS. OUR NEAREST  
LOCALITY WAS ONLY 200 FT. OR SO NORTH  
OF ANOCHIE CREEK IN FENCED FIELDS JUST  
BEHIND HIGHWAY. A MILE FROM THIS LOCALITY  
AFTER WE LEFT ABOUT 8:00 AM WE SAW  
A COUPLE OF MARSHES, & ON WAY BACK TO  
BERKELEY SAW SOME Hudsonian CURLEWS  
IN FIELDS NEAR SAN JOSE, A FLOCK OF WAX  
WINGS, WE SEEMED TO HAVE SEEN QUITE  
A NUMBER OF SHRUB WIRE AND  
THRU VALLEY & A FAIR NUMBER OF PARSON  
HAWKS. NEAR MENDOTA SAW A COUPLE OF  
MARSH HAWKS & SOME RINGNECK PHOENIX  
IN FIELDS. NEAR LLANADA (SAN BENITO CO.)  
SAW A BROWN OWL AFTER DUSK & ALSO SPOTTED  
2 BURBANK OWLS, A JACK RABBIT (?) & A  
COTTONTAIL OR BRUSH RABBIT. ABOUT 7:00 PM.  
ARRIVED IN BERKELEY & VALPOLE AT NOON.  
KIT FOX TAKEN 7 MI. E MENDOTA NOT SPARKS  
MAY HAVE BEEN ORIGINALLY TAKEN BY GOV'T TRAP  
OPERATING OUT OF ANOCHIE. DEER TRACKS SEEN  
IN AREA 12 MI. SE PACIFIC.



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PUT UP  
FEB 4

8 MI. E. 5 MI. N MERCY HOT SPRINGS, 450<sup>±</sup> FT., FRESNO CO., CALIF.

PUT UP LIPELLUS NEWSONI COLL BY VIC LEWIN  
& WM MANER <sup>OF MVZ</sup> ON JAN 29, 1958. SHOT & RAN  
INTO HOLE WHENCE IT WAS DUG OUT. TAIL  
TAIL SEPARATES BUT SAVED.

PUT UP  
FEB 4

PANOCHÉ CREEK, 550<sup>±</sup> FT., FRESNO CO., CALIF.

PUT UP ALSO 9 DIPLO NEERMANNI COLL  
BY WM MANER ON JAN. 29, 1958 FOR MVZ. LOCALITY  
IS IN SECT. 10, T. 15 S, R. 12 E ON USGS TOPO  
PANOCHÉ COIT. OF MARCH 1913, REPR'D. 1942.

THIS LOCALITY IS NOT ON LITTLE PANOCHÉ CREEK.

DID NOT  
GO TO  
MVZ.

~~VIC LEWIN ALSO HAS 10 OR 12 DIPLOS WHICH MAY  
OR MAY NOT GO TO MVZ ALSO. FIELD NOTES OF  
MANER & LEWIN SHOULD GIVE HABITAT NOTES ON  
CITERNUS & DIPLOS.~~

FEB 9

BROOKS ISLAND, 0 TO 10<sup>±</sup> FT., CONTRA COSTA CO., CALIF. FERRIS

SPENT A DAY IN THE P.M. DIGGING IN  
THE SHELL MOUND ON NE END OF ISLAND  
WITH CHRIS. SNAKE A FEW INCHES IN 200 YDS.  
HAD A TIME GETTING IN TO ISLAND AT LOW TIDE  
BUT THINK THE DEEPEST WATER IS JUST TO  
E SIDE OF ROCKS ON NE TIP OF ISLAND.

PICKED UP BONES FROM SKELETON FOUND BY  
PAUL ANDERSON LAST WEEK AND FROM THE  
WATER & SHOULDER AT MOUND - MOST OF HOMO  
BONES SEEM TO FLOAT - AT LEAST IN THE





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BROOKS ISLAND, 0 TO 10<sup>+</sup> FT., CONITA COSTA CO., CALIF.

FEB 9  
(CONT.)

ONE CONDITION THERE ARE IN. ALSO DUG  
OUT SOME MORE <sup>HOMO</sup> FOOT BONES FROM SPOT  
WHERE I GOT CANCANEUM + OTHER FOOT  
BONES ON JAN. 18, 1958. DUG UP A NEW-BORN  
OR MONTH OR SO OLD HOMO SKELETON FROM  
5' ABOVE HI TIDE MARK IN MOUND - NO  
OTHER BONES ASSOCIATED. ALSO FOUND, ON  
FAR NE TIP OF ROCKS, A HOMO SKELETON  
JUST AN INCH OR SO BELOW GRASS. NO  
~~SKULL~~ CRANIUM BUT 3 BITS OF IT FOUND  
IN FRONT OF RAT HOLES ALONG WITH  
PART OF CHIN (WHICH FIT OTHER PART  
DUG UP WITH SKELETON) AND 3 OR 4 METATARSALS.  
AFTER CLEANING DIRT OFF  
OF BONES FOUND I HAD AN EXTRA SECTION  
FROM PELVIS. THIS HAD A SMALL (FRESH?)  
BURNED SPOT ON IT AND IT IS PROBABLE  
THAT THE SKELETON IT BELONGED TO HAD  
BEEN TAKEN BY SOMEONE ALREADY + THE  
BONES THAT MIGHT HAVE BEEN LEFT MIGHT  
HAVE BEEN BURNED BY GRASS FIRES SET ON  
THE SMALL POINT OF LAND. THIS POINT  
OF LAND MAY HAVE BEEN JUST PART OF A  
MORE EXTENSIVE RIDGE TERRACE WHICH  
HAS SINCE BEEN WASHED AWAY BY WAVES  
NO ARTIFACTS FOUND WITH THE SKELETON.  
THE SKELETON FOUND LAST WEEKEND BY PAUL



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BROOKS ISLAND, 0 TO 10<sup>2</sup> FT., CONTRA COSTA Co., CALIF.

FEB. 9  
(cont.)

ANDERSON APPARENTLY HAD BEEN EXPOSED BY WAVES WASHING AWAY & COLLAPSING THE MOUND. HE FOUND NO SKULL AND, ANTHO I DUG THROUGH ALL THE LOOSE DIRT BELOW THE CAVERN I ONLY FOUND ONE LOOSE TOOTH AND PART OF THE LOWER JAW (TO WHICH THE TOOTH BELONGED) BUT NO CRANIUM. IT MIGHT HAVE BEEN WASHED AWAY BY WAVES OR IT MIGHT STILL BE BURIED IN SOME SPOT IN WHICH WE HAD NOT DUG.

PICKED UP MANY OTHER BIRD & MAMMAL BONES FROM IN MOUND — GAVE BIRD BONES TO DICK BANKS OF MUSE.

PAUL HAD FOUND 2 PIECES OF (UNWORKED?) QUARTZ XMAS, A PLUMB-BAB-LIKE HOLEO ORNAMENT(?), <sup>OR SCRAPING?</sup> A FLINT SCRAPER OR BONE HEAD; AND A COUPLE OF LONG (8-10 INCH?) BROKEN BONE NEEDLES OR BONES IN PELVIC REGION OF SKELETON. ONE OF NEEDLES HAD "EYE" IN IT. HE ALSO NOTICED SOME REDDISH PIGMENT WHICH MIGHT HAVE BEEN A BONE OF PAINT OR BONE BURIED WITH BODY. I <sup>(+ SAID I)</sup> SCRAPED SOME OFF OF ONE STAY ON A LEG BONE WHERE I NOTICED IT. IN DIGGING OUT A REMAINING FOOT OF SAME SKELETON I FOUND PARTS OF ANOTHER NEEDLE TWO WITH THE FOOT BONES. ALSO PICKED UP A WOODHOLE



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Brooks Island, 0 to 10<sup>±</sup> ft., Contra Costa Co., Calif.

FEB. 9  
(CONT.)

BIRD BONE FROM WATERS COVE WHICH PROBABLY  
WAS BURIED WITH SKELETON SINCE IT WAS  
FOUND WITH CHINCHILLO, RIBS, VERTEBRAE, ETC.

PAUL'S SKELETON (THE REMAINDER OF WHICH  
I OUP UP TODAY) GIVEN MY #1015 . (0<sup>±</sup> FT.)

INFANT SKELETON # 1016 (5<sup>±</sup> FT.)

ADULT SKELETON FROM ROCKY POINT #1017 (10<sup>±</sup> FT.)

I CAN SEE THAT THRU YEARS OF RATS BURROWING  
THRU SKELETONS BURIED CLOSE TO THE SURFACE  
OR EDGE OF BANKS, ~~AND~~ ~~THEY~~ COLLAPSE & ~~THE~~  
ROOBBING OF THESE BURROWS THAT PARTS  
OF SKELETON MIGHT BE BROKEN, DISLACED,  
REMOVED ETC. AND THIS PROBABLY WAS THE  
CASE WITH RESPECT TO THE BONES FOUND  
ON THE NE ROCKY POINT OF ISLAND. I  
SAW THE REMOVAL OF THE SKELETON BY LOOKING  
IN A RAT BURROW NEAR THE TOP OF THE  
BANK.

STEAMBOAT CANYON (N. CALIF. BOTANICAL GARDENS), BERKELEY, ALAMEDA CO., CALIF.

FEB. 20

PUT UP 4 SOEKA OSMANUS COLL'D BY STUDENTS  
IN ZOO 128 CLASS. THESE 4 ~~GO~~ TO ZOO. DEPT. COLL.  
FOR CLASS USE IN ZOO 113.

1 MI. N CAMP MEEKER, SONOMA CO., CALIFORNIA

PUT UP  
FEB 21

PUT UP 2 PHYGAEOMYS COLL'D FEB. 16, 1958  
BY WM HAMILTON III & DON ROBERTS OF MVT WACO



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OUT CA  
FEB. 21  
(CONT.)

### 1 MI. N CAMP MEEKER, SONOMA CO., CALIFORNIA

ARE WORKING ON REPRODUCTION IN THESE MICE. THEY  
COLLECT <sup>I NEED</sup> EVERY MONTH. THE SKULLS WERE KEPT BY  
THEM + I MAY GET THEM LATER - SO, AS OF  
NOW, THE 3 SPECIES ARE "SKIN ONLY". MY # 1022  
WAS THEIR #5 FEB. 16, 1958 AND IT HAD DIED IN  
CAPTIVITY FEB. 20, 1958. WEIGHT + MEAS'S ON SKIN  
TAKEN FEB. 21, 1958. MY # 1023 WAS  
THEIR #4 FEB. 28, 1958 <sup>(SIC)</sup> (SHOULD HAVE BEEN #4 FEB. 16, 1958)  
AND IT WAS APPARENTLY KILLED ON DATE OF CAPTURE.  
WT. + MEAS'S ON SKIN WERE TAKEN FEB. 21, 1958.

### STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR 1

SET OUT 30 LIVE TRAPS, 20 MUS. SPECIES + 6  
+ 5 RAT TRAPS  
MAREBEE'S JUST TO N SIDE OF FENCE OF U.C. BOTANI-  
CAL GARDENS. IN LIVE TRAPS SET IN DALL  
GRASS GOT 3 MICROTUS + 3 PEROMYSCUS. ONE  
SMALL THOMOMYS IN MAREBEE'S + ANOTHER TRAP  
SAWING BY GOING SHOVING DIRT INTO IT. IN  
MUS SPECIES SET ON BAUSHY, ~~DEEP~~ SHADY PLACE  
GOT 2 PEROMYSCUS + 4 PEROMYSCUS CANADENSIS  
PUT UP THOMOMYS + 2 P. CANADENSIS. DR  
POLEMAN, AN ENTOMOLOGIST USED LIVE <sup>TRAPPED</sup> PEROMYSCUS  
IN STUDY OF AREBIDIS, HE PUT UP (#1) A  
MICROTUS + (#2) A PEROMYSCUS + SAVED SKULLS OF  
2 MORE PEROMYSCUS. 1 LARGE MICROTUS SAVED  
ALIVE FOR ZOO 128 CAGES.





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BROOKS ISLAND, 5<sup>+</sup> FT, CONTRA COSTA CO., CALIF.

Mar 2 Went to Red Rock + Brooks with Mr. & Mrs. Paul Anderson of MVE + Mr. & Mrs. Jack Smith of Anthrop. Dept. Found part of human phalanx on Red Rock Beach - Given to Dick Beaman of our Hesp. Dept. for identification. Also found fish vertebra + 2 DRAGONFLY SKIN. On Brooks the Smiths found a PEBBLE on ground at extreme point at NE end of island. Says that yielded a skeleton to me last year. Paul Anderson found a partial skeleton at spot where Paul had seen a few ribs crossed a week or so ago. I dug it out + gave it my #1027. Paul found a QUARTZ XTAL (chip, prob. to an awl?) on beach at spot where he had found skeleton with other artifacts a few weeks ago. I found a (waste?) obsidian fragment with chips taken out of it on the beach at N end of same mound where the skeletons were found. Fish vert. from Red Rock was fairly fresh + was identified as STRIPED BASS (ROCCUS SAXATILIS) FAM. SERPENTINAE. Al Jones of Zoo Dept. took it over to Calif. Acad. of Sci. in S.F. to have it identified. In mound at Brooks got (old) "TOOTH(?)" plate with moss of corn-kerf-like tooth set on it. Identified



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MAR 2  
(CONT.)

BROOKS ISLAND, 5<sup>+</sup> FT., CONTRA COSTA CO., CALIFORNIA  
BY CALIF. ACSS. AS BEING PART OF A PILERACEN  
(DAMNICHATRYX VALEA) FERN. EMBIOGOCIDAE.

4 MI. E HASKINS, 1000 FT., MENDOCINO CO., CALIF.  
APR. 10 PUT UP (ON APR. 15) 2 LABIDUS CINEREUS SHOT  
BY DR. CARL B. KATZ & GIVEN TO MUE,  
A.C. # 1039, 1040. WEIGHTS TAKEN APR. 15, KEPT  
IN FREEZER SINCE ~~SENT~~ BROUGHT TO MUE ON APR. 11.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.  
CATCH APR. 11, 1958  
WILLIAM APR. 15, 1958 PUT UP 5 NEOTOMA CAUGHT BY ZOO  
113 FIELD TRIP (WOODRAT HOUSE INVESTIGATION)  
APR 23 PUT UP SOLEX ORNATUS WET-SPECIMENS  
BY FM BYRNE OF ZOO 128 CLASS. HE ALSO TOOK  
5026 MICROTUS IN SAME AREA.

1 MI. SE INVERNESS, MARIN CO., CALIF.  
PUT UP APR 23. 1 MYOTIS CALIFORNICUS CAUGHT BY DR.  
BENSON IN HIS CABIN NEAR INVERNESS. ANIMAL  
KEPT IN COLD ROOM UNTIL DIED ON APR. 16, 1958.  
PROBABLY STARVED TO DEATH. PASSED THROUGH  
HANDS OF BILL MAHER, JIM ANDERSON & VIC LONN  
BEFORE I FINALLY GOT IT TODAY TO PUT UP  
FOR ZOO 113 COLLECTION.

NO DATA (PROBABLY FROM CALIFORNIA)

APR 23 FOUND MOLE UNLABELED IN FREEZER - SAVED AS  
PROBABLY COLLECTED BY 1957 MARIN CLASS (OR MAYBE 1958 CLASS)



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UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIF.  
PREP'g AD23. SAVED SKULLS ONLY OF 2 ALBINO RABBITS  
USED IN ZOO 128 CLASS EXPERIMENT. ♀♀  
NO MEAS'S OR WT. NO OTHER DATA.

MAY 7 PUT UP 2 GREY MUS MUSCULUS USED IN  
ZOO 128 CLASS. ~~FROM~~ LAB. ANIMALS BUT STRAIN  
OR SOURCE UNKNOWN.

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO CO., CALIF.  
MAY 6 ON MAY 7 PUT UP 2 YOUNG RATTUS RATTUS  
TAKEN IN GLENN HUNT HOUSE AT ABOVE LOCALITY.  
THESE WERE DE-FLEAS'D BY PARASITOLOGY  
PEOPLE & BRO'T OVER TO MUZ BY A GRAD.  
STUDENT IN ENTOMOLOGY, HAROLD E. STRECK.  
APPARENTLY CAUGHT BY A "SAN FRANCISCO ROSEN'T COMMUNITY"  
IN PARASITE PROJECT. THE TWO (♂ & ♀) WERE  
TO BE USED IN ZOO 113 CLASS COLL. BUT WERE  
TOO YOUNG, SO WENT TO MUS. COLL (WHERE WE  
DID NEED THEM BADLY), STRECK WILL TRY TO GET  
SOME ADULTS LATER. THESE TWO WERE SUSPECTED  
TO HAVE BEEN KILLED MAY 6, AND IF THEY  
WERE THEY MUST HAVE BEEN LEFT IN TOO WARM  
A PLACE SINCE BELLY SKIN WAS PRETTY ROTTEN  
& EYES & TOES DRIED OUT.

4 MI. E HOLLAND, 1000 FT., MENDOCINO CO., CALIF.  
PUT UP  
MAY 27 PUT UP FOR MUZ 6 LABIRURUS CINEREUS SHOT  
BY DR. CARL B. KATZ IN FRONT OF HIS HOUSE AT



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4 MILE HIGHLAND, 1000 FT., MONOCINO CO., CALIF.  
<sup>PUT UP</sup>  
MAY 27 ABOVE LOCALITY FROM APR 12, 1958 TO MAY 19, 1958.  
DR. KAFORD SAID HE STILL ~~NOTICES~~ NOTICES THEM FLY-  
ING EVERY NIGHT OR SO. I WAS REMOVED WITH  
A VERY SHARP SWELLING AT VAPER END OF  
RT. UTERINE HORN WHICH MIGHT OR MIGHT  
NOT HAVE BEEN CAUSED BY A NEWLY-IMPLANTED  
EMBRYO. AGE # 1053-1058. ♀ HAD BEEN  
EVISCERATED (OF STOMACH + INTESTINES) BEFORE  
BEING REC'D HERE SO WT. GIVEN IS GUTTED WEIGHT.

### STRAWBERRY CANYON, <sup>BERKELEY</sup> ALAMEDA CO., CALIF.

JUN 10 SET OUT 30 LIVE TRAPS <sup>LAST NITE</sup> IN GRASS ALONG ROAD  
100 YDS PAST BOTANICAL GARDENS GATE TOWARDS  
CYCLOTOWN. SET THEM IN DARK IN CLUMPS OF  
3 FT. HIGH GRASS. CAUGHT 2 ♀ MICROTUS, 1 REITHRO  
+ 2 SOLEX ORNATUS (BOTH DEAD IN TRAP.) WILL  
SAVE MICROTUS TO SEE IF PREGNANT; DISCARDED  
REITHRO + PUT UP THE SOLEX. #1060, 1061.  
BUT ROLLED OATS + BIRD SEED. WEATHER  
FAIRLY WARM.

### 1 MI. W BOLINAS P.O., 120<sup>+</sup> FT., MARIN CO., CALIF.

JUN 15 ARRIVES HERE FOR 6-WEEK STAY TAKING  
U.C. ZOO. 112 (MARINE BIOLOGY) COURSE. WM.  
HAMILTON III + MY FAMILY ARE STAYING  
AT THE "OLD CALKINS HOUSE" AN UN-  
FURNISHED BUNGALOW + DOING A LOT OF WORK.





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TOWNSEND

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIFORNIA

JUNE 15  
(CONT'D)

SNOW ON ALDER ROAD JUST 100 YARDS DOWN HILL FROM THE BOLINAS BEACH CLUB HOUSE. THE TOWN OF BOLINAS IS RIGHT ALONG THE SHORE OF THE OCEAN & INLET TO THE BAY BEHIND STANSON BEACH, BUT OUR HOME IS ON A PLATEAU (THE "MESA") WEST OF THE TOWN PROPER. HOUSES ARE SCATTERED ALL OVER THE MESA BUT ARE MOSTLY AT LEAST 200 YARDS APART. MOST OF THE AREA IS GRASS & BACCHARIS HILLSIDE WITH LITTLE OR NO CUTTING OVER. WE HAVE A SMALL STREAM JUST AT OUR BACK DOOR INTO WHICH THE SINK WATER DRAINS. THE STREAM IS INTERMITTENT - BEING MOSTLY SHALLOW POOLS NOW - BUT FROM THE WOOD WASHES DOWN IT, THE WATER MUST RUN HIGH IN THE RAINY SEASON.

GOT 1 SCARPUS TODAY (APPEARED RUN OVER BY CAR BUT SKINN WAS OK.) ON MESA BUT LEFT THE SNEAKY CARCASS OUT & SOMETHING ROOL. BILL HAMILTON FOUND DRICO CARCASS OF ANOTHER IN GRASS BEHIND OUR HOUSE, ALSO GOT 2 HYLA IN GRASS IN YARD. SAW BOTH BIG



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1 MI. W BOWNAS P.O., 120<sup>+</sup> FT., MARIN CO., CALIFORNIA

JUNE 15  
(CONT'D)

AND LITTLE ( $\frac{1}{2}$  INCH LONG) HYLA HERE.  
ALSO SAW 1 BIG RANA BUT COULD NOT  
CATCH. DON'T KNOW SPECIES OF IT.

JUNE 18

BILL HAMILTON CAUGHT A ♀ THAMNOPHIS  
WITH EMBRYOS JUST 5 FT ABOVE ~~WATER~~ <sup>WATER</sup>  
LINE ON ROAD BETWEEN STINSON BEACH P.O.  
AND THE CUT-OFF TO BOWNAS P.O. TAIL  
WAS SLIGHTLY MUTILATED, PRIOR TO CAPTURE  
APPARENTLY.

LOCATION OF THIS ENTRY ONLY IS;  
1 MI. E BOWNAS P.O., 5<sup>+</sup> FT., MARIN CO.,  
CALIF.

JUNE 20

CAUGHT 1 MORE HYLA UNDER A CARD-  
BOARD BOX IN OUR YARD.

JUNE 21

TOOK 1 SMALL LOT (= 20<sup>+</sup>) OF SMALL  
+ LARGE TRAPPOLES FROM SMALL POOL IN  
STREAM JUST BACK OF HOUSE. ALL GIVEN  
1 NUMBER. WALKED THRU FIELDS THIS AM.  
+ CAUGHT 1 GEORGEHOVOTUS (WITH THE DETAILING  
TAP). + SAW 1 MORE. FOUND <sup>5000</sup> OWL PERCHES  
UNDER CEDARS AROUND BEACH CLUB HOUSE.  
HEARD ONLY MICROTUS SKULLS EXCEPT FOR  
1 MANDIBLE OF MOE (OR REITHRO?). HAVE  
SEEN SEVERAL MICROTUS IN GRASSES  
OR CROSSING ROADS IN PAST FEW DAYS.  
SET OUT 4 MARESCUE TRAPS IN 2  
SETS — 1 IN OUR YARD + OTHER 100 YDS  
DOWN ROAD. SAW MANY MOLE RUNS +  
MANY HILLS OF DIRT WHICH I THINK  
ARE "MOLE HILLS" RATHER THAN GARDEN



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1 MI. W BOLINAS P.O., 120<sup>+</sup> FT., MARIN CO., CALIFORNIA

JUNE 21  
(CONT'D)

MOUNDS. 1 OF SETS WAS IN A DEFINITE  
GARDEN RUN BUT OTHER MAY HAVE  
BEEN ~~IN~~ MOLE WORKINGS SINCE TUNNEL  
WAS ONLY A LITTLE OVER AN INCH IN  
DIA. SET OUT ABOUT 45 MUS SPECS  
BAITED WITH WALNUTS ALONG CREEK  
BACK OF HOUSE. TRAPS SET ABOUT  
15 TO 20 FT. APART IN THE THICK  
BLACKBERRY, HOTTOR VINE COVERING.  
~~ALSO~~ SAW SOME FRESH MOLE WORKING  
IN SANDY SOIL ALONG CREEK. WORKING  
IN FIELDS (WHERE I DID NOT SET)  
SEEMED OLD & DRY. WM HAMILTON  
HAS LOST 10 DUCKS (VEGETATION SCREEN  
CAME OUT BACK) TO WILD HOUSE CATS  
(PROBABLY) OF WHICH AT LEAST 4 DIFF.  
ONES HAVE BEEN SEEN (1 EVIDENTLY  
NURSING). BILL SAW COON TRAILS ~~ALONG~~  
~~BEHIND~~ & AN OLD TIMER SAID COON  
RAN THE STAKE BACK OF OUR HOUSE.  
WE DID SEE TWO VERY SMALL BUCKS  
IN VELVET ALONG ROAD TO PROMISSIN  
NURSERY ABOUT 2 MINUTE<sup>(?)</sup> OF HOUSE A  
COUPLE OF DAYS AGO.

JUNE 22

RAN TRAPS AT 8 AM + GOT 5 MICROTUS,  
1 THOMOMYS, 3 Sorex TROUSBRIDGEI & 1 NEOTOMA  
TRICHUS. PUT UP ALL EXCEPT 3 MICROTUS

20

21

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1 MI. W BOWMAN P.O., 120<sup>+</sup> FT., MASON CO., CALIFORNIA.

JUNE 22  
(CONT.)

WILL RUN THE LINE OF TRAPS (UNSHIFTED) <sup>EXCEPT FOR GOING WEST</sup> FOR THE REST OF TIME WE ARE HERE + WILL KEEP CHART (SEE NEXT PAGE) OF MICE CAUGHT + PUT UP THOSE THAT I CAN FIND TIME FOR. WILL PUT OUT 4 RAT, 4 MARMO + 2 SCHUYLER TRAPS IN VARIOUS SPOTS AROUND HOUSE BUT MAY CHANGE THEIR LOCATIONS OFTEN. WILL USUALLY RUN TRAPS EARLY IN A.M. (7<sup>+</sup> O'CLOCK) AND LATE IN P.M. (7<sup>+</sup> O'CLOCK) + SEPARATE #'S CAUGHT BY DIAGONAL LINE ON CHART. THUS: 

A.M.
P.M.

JUNE 26

W<sup>M</sup> HAMILTON III CAUGHT <sup>ADULT</sup> BATRAMASCOS IN A BUNCH OF DOUGLAS FIR BUDS WHICH HAD BEEN STUCK UP IN WET CEDAR BOTTOM <sup>BACK OF OUR HOUSE</sup> FOR 2 OR 3 DAYS. (FIR USED FOR FEEDING HIS PHENSAEUS LONGICAUDUS). I DUG IN DAM CEDAR BANK AND GOT 2 MORE SMALL ONES + TAKEN AT ANOTHER SMALL OR MEDIUM SIZED ONE. SAW A SMALL ONE, <sup>MINUS TAIL</sup> A DAY OR SO AGO UNDER A LARGE CAN SET ON GRASS IN OUR YARD BUT LOST IT AGAIN IN GRASS. HAVE BEEN LOOKING UNDER SURFACE OBJECTS BUT HAVE SEEN NO OTHER BATRAMASCOS TO DATE. SO APPARENTLY THEY HAVE DIED IN A LITTLE. OUR CREEK SEEMS THE ONLY WET SPOT FOR A QUARTER OF A MILE OR MORE AROUND & IT IS NOW BEGINNING TO DRY EXCEPT FOR POOLS.





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[JUNE 22 (cont)] 1 MI. W BOWLING P.O., 120± FT. MASON CO., CALIFORNIA

	MICROTUS CALIFORNIENSIS	SOREX TROWBROOKI	NEOTOMA GIBBSI	NEOTOMA FUSCIPES	SCARPANUS LATIMANUS	THOMOMYS BOTTAI	REITHRODONTOMYS MEGALOTIS			BREOS & HARRIS
JUNE 22	5 A.M. 3	3 1	1			1				
" 23	2	1		1						SONG SPAR.
" 24	1		3	1	(MIGRATED)					SONG SPAR.
" 25	1	1 1	2							
" 26			1	1						SONG SPAR.
" 27	1		2 1	1						SONG SPAR. THUNDER BOLT
" 28										SONG SPAR.
" 29		2								
" 30	2									SONG SPAR.
JULY 1	1									
" 2										
" 3				1						
" 4							1			
" 5	1 1		1							SONG SPAR. PUSSET BACKED THORN
" 6	1									
" 7	1									
" 8	1 3	2								
TODAY P.M. TRAPS RUN AT 10 P.M. → " 9		1		2						
" 10										
" 11										
" 12	1									
TODAY A.M. TRAPS RUN AT 11:00 AM. → " 13			1	1						SONG SPAR.
" 14		1 A.M. & P.M.?								
" 15										
" 16			3							
" 17			1		(MIGRATED)					



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[JUNE 22 (cont)] 1 MI. W BOLINAS P.O., 120<sup>+</sup> FT. MARIN CO., CALIFORNIA

	MICROTUS CALIFORNICUS	Sorex DOWLINGI	NEOTOMIA GIBBSI	NEOTOMA FUSCIES	SCARPANUS LATIMANUS	THOMOMYS BOITAE	PEROMYSCUS MELANOTIS		BIRDS & HERP.
4 A.M. TRAPS N AT 1:30 A.M. JULY 18			1						
7 A.M. TRAPS N AT 1:30 A.M. JULY 19		1		1					RUSSET BACKED THROAT SONG SPR.
" 20									
" 21									
" 22									
" 23	TRAPS NOT RUN IN AM						1		SONG SPR.
" 24				2					

(TRAPS PICKED UP AFTER JULY 24 P.M. TRAPS RUN.)

TOTALS 26 1 14 12 2 1 2

BIRDS  
(2  
HERP)  
2

(NOTE: - SEE ANIMALS COLLECTED FROM OWL PELLETS UNDER SPECIES  
ACCOUNT OF "OWL" IN MY 1960 FIELD NOTES.

Dr R.I. SMITH, GIVING THE ZOOL 112 COURSE, WAS ALMOST

CERTAIN A LARGE LONG-TAILED CAT HE SAW ON TEVIS  
RANCH (BETWEEN OLEMA + BOLINAS) WAS A YOUNG MT. LION.,  
- OTHER MEMBERS OF PARTY SEEMED CERTAINLY SURE.  
BIRDS SEEN DURING PERIOD JUNE 15, 1958 - JULY 26, 1958. (IN ORDER  
OF APPEARANCE !): GOLDFINCH, SONG SPARROW, WHITE-THROATED  
SPARROW, W. MEADOWLARK, RED WINGED + BREWERS BLACKBIRDS,  
CROW, RAVEN, RED-TAILED HAWK, OSPREY, SCALB JAY, CHIFFY +  
BARN SWALLOW, GLAUCOUS-WINGED + HERMANN'S GULLS, BRANT,  
CORMORANT, AMER. EGRET, OR-BLUE HERON, BL-CROWNED NIGHT  
HERON, KILLDEER, TURKEY VULTURE, RUSSET-BACKED THROAT,  
SILVER FLYCATCHER, ALLEN'S HUM'BIRD, CALIF. QUAIL, PHOEBASTER,  
COW BIRD, PLAIN TITMOUSE(?), MOURNING DOVE, WILSON'S WABBLER,  
? WREN, WREN TIT, BUSHTIT, ROBIN, SURFBIRDS,  
(BLACK OYSTERCATCHERS?).



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1 mi. W BOLINAS P.O., 120<sup>±</sup> ft., MARIN CO., CALIFORNIA.

JUNE 27 CAUGHT A SMALL THAMNOPHIS IN ONE OF MUS.  
SPECIES ON TRAP LINE DURING DAY.

JUNE 28 GOT 2 MORE TRAPS FROM MVE TODAY &  
WILL SET OUT WHEN I FIND FRESH MOLE RATS.  
TOOK CAR TRIP NORTH BY WAY OF Pt. Reyes  
STATION TODAY <sup>IN A.M.</sup> & SAW ON ROAD TO OLEMA  
(<sup>3 MILES FROM</sup> FROM BOLINAS) A SMALL CHIAMUNK  
UNDER HEAVY EUCALYPTUS STANES BESIDE  
ROAD. SEEMED VERY TAME & I COULD  
ALMOST HAVE HIT HIM WITH A BROOM  
HANDLE. ROUGHLY 10 MILES E OF  
OLEMA SAW A CITRINUS BECKHOFI ON  
FENCE POST. PETE SCHRAMM, A GRAD.  
STUDENT IN MAMM., TRAPPED FLEAS  
NEAR BOLINAS A FEW DAYS AGO BUT  
GOT ONLY REITHRODUS & MICROTUS.

JUNE 29 GOT 2 Sorex newbridgii THIS MORNING  
AFTER 3 DAYS WITHOUT CATCHING ANY. THE  
LATERAL ♀ WAS CAUGHT BETWEEN 8:00 AM &  
10:00 AM THIS MORNING. I RAN TRAPS AT 10:00 <sup>A.M.</sup>  
(SUNDAY, SO I SLEPT LATE) & FOUND SHREW IN  
TRAP THAT WM HAMILTON HAD SEEN EMPTY  
AT 8:00 AM.

1 mi. N JENNER P.O., 150<sup>±</sup> ft., SONOMA CO., CALIF.

JUNE 29 DROVE TO PHENACOMES LONGICORNIS LOCATION  
WITH WM HAMILTON, III, THIS P.M. WORKED



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JUNE 29  
(cont'd)

1 MI. N JENNER P.O., 150<sup>+</sup> FT., SONOMA CO., CALIF.

DOUGLASS FIRS ON THE WINNICKS RANCH & GOT 3 ♀ + 1 ♂. BILL KEPT ♀'S + I SKINNED MALE. DON ROBERTS (OF MUSE) + BILL HAVE TAKEN MAYBE 30 OR 40 OR MORE OUT AT THIS LOCATION IN PAST YEAR OR SO. SAW A DARK CHIPMUNK IN THIS LOCATION IN WOODS. BILL SAID HE FOUND DICAMPTODON HERE OCCASIONALLY. THERE IS A GOOD STREAM THROUGH AREA + I SAW SOME TYPE OF A SNAKE UNDER LOGS IN WATER.

WE ALSO WORKED DOUGLASS FIRS JUST TO RIGHT OF BRIDGE OVER RUSSIAN RIVER (ON SONOMA CO. SIDE) ~~JUST~~ AT BRIDGE ~~HEAD~~ (ON MARIN CO. SIDE) + SCORED OUT 1 MOUSE BUT COULD NOT CATCH IT. THIS IS LOCATION WORKED A COUPLE OF YEARS AGO IN APRIL WITH DR. BENSON. SAW A SCAPANUS DEER + SQUABBED ON ROAD BETWEEN TOMALES + BUSEBA.

JULY 6 1 MI. W BOLINAS P.O., 120<sup>+</sup> FT., MARIN CO., CALIF.

LOST A CAPTIVE, ADULT ♀ MICROTUS CALIFORNICUS (TAKEN ORIGINALLY IN SPEAR-BERRY CANYON, BERKELEY) TODAY SO TO AVOID THE POSSIBILITY OF ACQUIRING IT AS A SPECIMEN FROM MARIN CO., I WILL ONLY PUT UP IMMATURE ~~ANIMALS~~ AND ADULT MALE MICROTUS WHICH I MAY





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Townsend

1 mi. W Bolinas P.O., 120<sup>±</sup> ft., Marin Co., Calif.;

JULY 6  
(CONT'D) CATCH HERE IN FUTURE.

2 mi. W, 4 mi. N Bolinas P.O., 400<sup>±</sup> ft., Marin Co., Calif.

JULY 6  
(CONT'D)

FOUND 4 UROCYON(?), 1 TAXIDUS + 5 LYNX  
CARCASSES HUNG ON FENCE AT ABOVE LOCALITY.  
SPOT IS 5.5 MI. (BY ROAD) N OF BOLINAS P.O.  
SAVED ONLY SKULLS + BONE...  
APPARENTLY WORK AT "VERMINT" TRAPPER SINCE  
UNSKINNED. OLD BONES - APPARENTLY 2 OR 3  
YEARS SINCE BEING KILLED. IF I FOUND AN IS  
BONE I TIED IT ON TO SKULL. IF CARCASS  
STILL FAIRLY WHOLE + NO BONE VISIBLE  
I LABELED SKULL "♀?". IF CARCASS  
IN PIECES LABELED "SEX?"

BOLINAS (ISLAND, 475<sup>+</sup> 500 FT. N COAST GUARD STA, ~~OFF~~ SALICORNIA MARSH, 5<sup>+</sup> FT. MARIN CO., CALIF.)

REC'D JULY 20

GOT A PEROMYSCUS (COLL'D JULY 17, '58) + A THOMOMYS  
(COLL'D JULY 19, '58) FROM GEO. F. FISHER (GRAD. M.V.Z.) WHO  
TOOK THEM ON SAND ISLAND COVERED WITH SALICORNIA  
IN BOLINAS LAGOON.  
IN HIGHER SPOTS. THIS ISLAND HAS NO DRY LAND  
BRIDGE WITH MAINLAND AND WATER IS ABOUT  
4 FEET OR LESS DEEP AROUND PARTS OF IT AT  
LOW TIDE. THE SPOT IS SHOWN AS ONE OF  
TWO ISLANDS ON TOPO SHEET OF AREA.  
RACCOON TRACKS SEEN ON ISLAND BY GEORGE  
+ SOME ONE IS SUPPOSED TO HAVE SEEN A  
DEER SWIMMING OUT TO IT. THERE ARE APPARENTLY  
THE ONLY 2 HERPS GEORGE SAW IN HIS STUDY OF FOWNS  
AT SALICORNIA MARSH.



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PANOCHÉ CREEK, 550<sup>±</sup> FT., FRESNO CO., CALIFORNIA

PUT UP  
AUG 19

PUT UP 2 DIPLO. NINEBORIOES, AD. HESMANNI & 1  
CITELLUS BEECHERI, TAKEN BY VIC LEWIN ON  
JAN 29 & 30, 1958 AT ABOVE LOCALITY, FOR MORE  
INFO ON LOCALITY SEE NOTES IN THIS JOURNAL  
FEB. 4, 1958. THESE SPEC'S FOR PERSONAL COLLECTION.

MOUNTAINEER MINE, T.2S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP  
AUG 20

PUT UP FOR PERSONAL USE 1 ADULT & 2 YOUNG  
MAEROTUS CALIF. & 1 (YOUNG?) MYOTIS ~~WETTER~~ VELVET  
OR JULY 18, 1958  
CAUGHT BY CHAS. S. THREMER OR MUR, ON MEX  
WITH A MR. BOCK FROM DAVIS CAMPUIS WHO  
IS WORKING ON BAT RESERVES. ~~BAITS~~ <sup>A LARGE # OF BATS</sup>

TAKEN FROM 2 MINE SHARPS ABOUT A QUARTER  
OF A MILE APART — ~~BAITS~~ MYOTIS TAKEN FROM  
SHARP AT OR NEAR THE ENTRANCE OF CANYON  
IN WHICH MINES ARE SITUATED. MAEROTUS  
TAKEN "UP" CANYON A QUARTER OF A MILE OR  
SO IN ANOTHER SHARP. AN ESTESICUS TAKEN  
BY THREMER AT FIRST SHARP ALSO. MINES  
ARE NOW RENAMED "NEW ERA" APPARENTLY  
SAME LOCATION AS COLLECTED BY MYSELF  
ON JUNE 14, 1957 (WHICH SEE IN MY 1957 JOURNAL)

STRAWBERRY CANYON, 850<sup>±</sup> FT., BERKELEY, ALAMEDA CO., CALIF.

AUG. 30

SET OUT 45 MUS SPEC'S IN LINE LEADING UP  
STEADY SLOPE THRU PINES ON N EDGE BOTANICAL GARDEN  
FENCE. MOSTLY ON DRY OR MOIST GROUND IN THIN



A.C. ZIEGLER  
1958

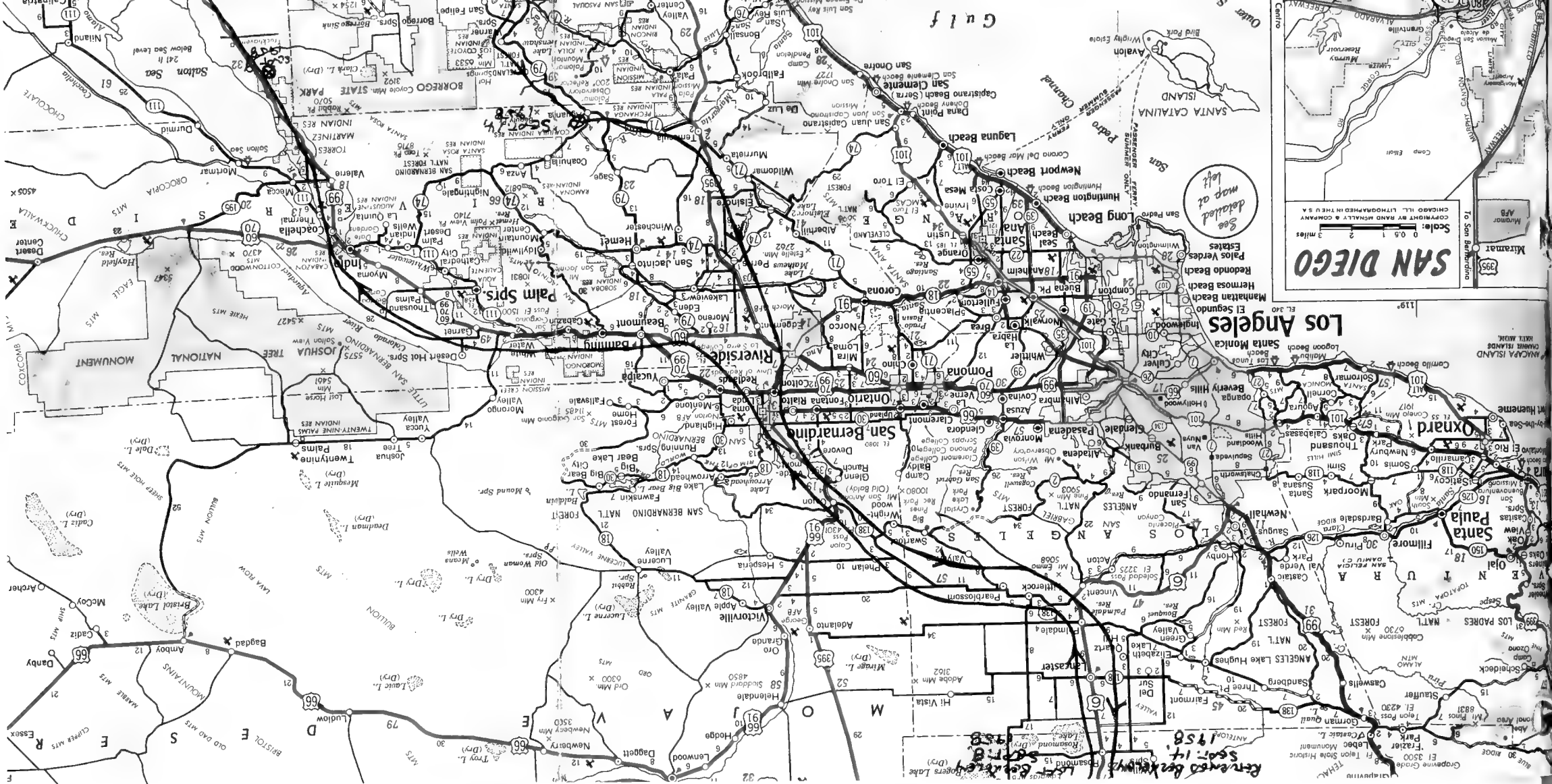
JOURNAL

Aug 30 (cont.) Strawberry Canyon, 850<sup>+</sup> ft., Berkeley, Alameda Co., Calif.  
Baccharis + Artemisia cover. Has taken Perognathus here before but has not since got only 1 Reithro + a Reithro tail and a Peromyscus rupe. Also a Wren. Ants were out in force. Full moon up at dusk last AM. Also made 2 two-trap gopher sets within 10 ft. of botanical fence but no catch. Set 2 more traps in fairly fresh runs in moist ground next to fence where Strawberry Creek passes ~~into~~ the gardens. No catch in either of these. Put up only the P. rupe.

4 mi. N, 4½ mi. W Truckhaven, <sup>21</sup>~~25~~ mi. NW Klamath Falls, Imperial Co., Calif.

Sept 8-9 Left Berkeley at 11:15 AM Sunday Sept 7, and drove to above locality in International Truck with Dr. Hocking + Dick Bernham of MUC. Arrived about 2:00 PM + looked over area along highway west of Stanton Sea. Truckhaven is only a large cafe + gas station with living quarters in rear. Several land development companies are leveling out land to eventually try to build + sell houses on along the sea. Very hot - 108°F in shade. Set about 40 mus traps + rat





# SAN DIEGO

Scale: 0 0.5 1 2 3 miles  
Copyright 1958 by Rand McNally & Company  
Chicago, Ill. Lithographed in the U.S.A.

See map at left

Return to the left  
Sheet 14  
1958



4 MI. N. 1/2 MI. W. RICHMOND  
IMPERIAL Co. Calif.

Scot. 9



(ROUND ABOUT)  
WASH IN FOREST  
TAKEN IN THE PM  
LOOKING AT NIGHT  
LOOKING NW.



WAYS SHOWN IN RED.  
usually less congested.  
Airports  
State Parks  
Points of Interest  
Accumulated mileage  
shown between points  
Mileage shown between  
towns and junctions  
State Capitals  
County Seats  
National Parks, Monuments  
and Cemeteries  
Mexican Numbered Highways  
Towns.  
p.h. (prima facie limit)  
100,000  
50,000  
and over  
by local option.  
0.5 miles.  
4.0 miles  
Company



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1958

JOURNAL

4 MI. N, 4½ MI. W TRUCKHAVEN, 2 MI. NW KANG SARRAS,  
IMPREG. CO., CAMBODIA.

SEPT. 9



GROUND AROUND CAMP WITH SHALLOW  
WASH IN FOREGROUND. PEROMYSCUS FORMOSUS  
TAKEN IN THIS IMMEDIATE AREA, ALSO  
COLEONYX AT NIGHT. PHOTO TAKEN SEPT. 9, 1958  
LOOKING NW.



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1958

JOURNAL

4 MI. N, 4 1/2 MI. W TRUCK HAVEN, 2 MI. NW KANE SPRINGS, IMPERIAL  
CO., CALIFORNIA

SEPT. 9  
(CONT'D)



AFTERNOON IN THE SANTON SEA DESERT.  
15 MINUTES WORK IN THE SUN & WE WERE  
READY FOR A BREAK LIKE THIS. PHOTO  
TAKEN SEPT. 9, 1958 SHOWING DA. WM Z. WICKER, JR  
(HAT) & DICK GERHAM BOTH OF MVZ.



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1958

JOURNAL

4 MI. N, 4 $\frac{1}{2}$  MI. W TRUCKHAUSEN, <sup>21</sup>~~20~~ MI. NW KANE  
SPRINGS, IMPERIAL CO., CALIFORNIA.

SEPT. 9 TRAPS AROUND CAMP (TENT 1 MILE W OF  
(CONT.) HIGHWAY ON BULDOZED ROAD.) PHOTO TAKEN  
OF AREA LOOKING NW ON SEPT. 9, 1958.  
~~JUST~~ GOT 5 PEROGNATHUS FORMOSUS ONLY  
BUT OTHER BOYS GOT DIPLO. MESSERIANI.  
+ P. PENICILLATUS  
+ BESIDUS. DICK CAUGHT CRATONIS COCALES  
IN TRAP. ~~ALSO~~ FOUND COLOONY CRANKING  
AMONG BEACHES LAST PM ABOUT 9 OR 10  
O'CLOCK. ALSO SET TRAPS AT FOLLOWING  
TWO LOCANITIES:

4 $\frac{1}{2}$  MI. N, 3 MI. W  
~~4 MI. N, 3 $\frac{1}{2}$  MI. W TRUCKHAUSEN, 20 MI. NW KANE~~  
SPRINGS, IMPERIAL CO., CALIFORNIA.

SEPT. 9  
(CONT.)

40 MUS SPECIES & 3 RAT TRAPS GOT  
ONLY TWO PEROGNATHUS LONGIMEMBRIS &  
AN UNIDENTIFIED IDK. 2 OR 3 OTHER  
TRAPS SPRUNG. DR. L. GOT ONLY A P.  
MANICULATUS HERE.

4 MI. N, 3 $\frac{1}{2}$  MI. W TRUCKHAUSEN, <sup>21</sup>~~20~~ MI. NW KANE  
SPRINGS, IMPERIAL CO., CALIFORNIA.

SEPT. 9  
(CONT.)

THIS LOCANITY IS JUNCTION OF SMALL  
ROAD WE CAMPED ON & HIGHWAY. 20 MUS  
SPECIES GOT ONLY A PEROGNATHUS CRINITUS.  
DR. L. GOT 3 PEROGNATHUS LONGIMEMBRIS.  
(LOCANITIES AND MEASURED ON AUTO ROAD MAP)  
SAW A LARGE BAT AT EVEN TWILIGHT  
BUT NONE LATER. MOON ABOUT  $\frac{1}{4}$  FULL.





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## JOURNAL

4 MI. N. 4 1/2 MI. W TRUCK HAVEN <sup>21</sup> MI. NW KANE SPRINGS, IMPERIAL  
CO., CALIF.  
SEPT. 9  
(CONT'D) TOTAL LIST MAMMALS TAKEN AT PRECOURT 3

LOCALITIES ON SEPT. 9:

PEROMYTHUS SPP. — 14

" LONGIMEMBRIS — 3

DIPodomys MERCERI — 7

PEROMYSCUS CRINITUS — 2

" MANICULATUS — 1

TRUCK HAVEN IS SHOWN ON CERTAIN ~~CO.~~ <sup>CO.</sup> MAPS.

TEMP. VERY HOT 108° or 109° in shade.

3 1/4 MIS., 2 1/4 MI. E Scissors Crossing, ~~East~~ <sup>East</sup> QUAKE VALLEY, SAND DUNE ~~CANYON~~ <sup>CANYON</sup>

SEPT. 10 DROVE TO EAST QUAKE VALLEY & CAMPED UP  
A DIRT ROAD 3/4 MI. or so FROM HIWAY. SPOT  
IS IN ANZA-BORRERO ~~DESERT~~ STATE PARK. Scissors  
CROSSING IS JCT. OF BLACKTAP ROAD & HIWAY  
78 & HAS HISTORICAL MARKER TELLING OF  
VALLECITOS STAGE STATION etc. Party set  
OUT ROUGHLY 100 YARDS AT CROSSING & 150±  
AT CAMP. ALL ON SANDY GROUND WITH  
AGAVE, CHOLLA etc. MANY ACTIVE & INACTIVE  
BURROWS SEEN. <sup>PHOTO TAKEN AT CAMP LOOKING EAST.</sup> ALSO SET 8 or 9 GARDNER  
TRAPS AT;

2 3/4 MI. S, 2 1/2 MI. E Scissors Crossing & GOT 3  
THOMOMYS.

TOTAL LIST OF MAMMALS TAKEN AT THE  
3 LOCALITIES ON SEPT. 10:

THOMOMYS BOTTAE — 2 (SEE 2<sup>ND</sup> PAGE FOLLOWING)





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JOURNAL

3 1/4 mi. S, 2 1/4 mi. E Scissors Crossing, Earthquake Vanner,  
SAN DIEGO Co., CALIFORNIA

SEPT. 10  
(cont'd)



TRAPPING AREA BESIDE CAMP. MOST  
COMMON MAMMALS TRAPPED HERE WERE  
PEROGNATHUS LONGMEMBERS, DIPLO. MEDIANI &  
ONYCHOMYS TORRIDUS, TARANTULAS SEEN  
AFTER DARK HERE. PHOTO TAKEN SEPT. 10,  
1958 LOOKING EAST.



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3 1/2 mi. S 2 1/2 mi. E Scissors Crossing, CASTLE LAKE VALLEY, SAN  
DIEGO CO. CALIF.

SEP. 10  
(CONT'D)

<u>PEROGNATHUS</u>	<u>SPP.</u>	—	5
"	<u>LONGMEMBRIS</u>	—	20
<u>DIPodomys</u>	<u>DETLIS</u>	—	1
"	<u>MERRIAMI</u>	—	45
<u>PEROMYSCUS</u>	<u>MANICULATUS</u>	—	11
<u>ONYCHOMYS</u>	<u>TARRIUS</u>	—	13
<u>NEOTOMA</u>	<u>LEPIDA</u>	—	1

LOCALITY IS SHOWN ON COAS OF ENA'S TARD.  
BOGGS QUAD. (EDITION OF) 1943.

LEFT ABOUT 6:00 PM ORSO & DROVE ~~THE~~  
OVER LABINA MT. LOOKING FOR POSSIBLE  
DIP. MERRIAMI SITES - FOUND NONE &  
CAMPED AT 9:00 PM AT FOLLOWING LOC.

GRANCLIFF CAMPGROUND, 2 1/2 MI. N BUCKMAN SPRINGS, SAN DIEGO  
CO. CALIF.

SEP 11. ~~TRAP~~ SET OUT 30 or 35 MUS TRAPS LAST PM  
IN BRUSH BESIDE CAMP - GOT 6 PEROMY. BOXUS  
& (OR. L. GOT) PEROGNATHUS. SAW 2 WOODRAT  
HOUSES BUT 2 RAT TRAPS HAD NOTHING IN  
THEM. SAW A SMALL GROUND SQUIRREL THIS  
AM & SOME GRASSHOPPER WORKING AROUND HIGHWAY  
BUT 3 MARRIOTT GOT NOTHING IN A COUPLE  
OF HOURS THIS AM. PHOTO TAKEN OF BRUSH  
WHERE PEROMYSCUS TAKEN - LOOKING WEST.  
VEGETATION: OPUS, MANDARINA, ETC. <sup>TOWN OF</sup> BUCKMAN  
SPRINGS IS SHOWN ON ROAD MAPS BUT TURNED OUT  
TO BE ONLY A COUPLE OF FALLEN DOWN BUILDINGS.



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1958

JOHNSON

GLENCHIEF CAMPGROUND, 2 1/4 MI. N BUCKMAN SPRINGS SAN DIEGO  
CO., CALIF.

SEPT. 11  
(CONT'D)



BRUSH ACROSS GULLY FROM CAMPGROUND.  
PEROMYSCUS BOYLEI TAKEN IN BRUSH BUT  
NOTHING ELSE. NEOTOMA<sup>(SP?)</sup> NEST SEEN UNDER  
BUSH IN GULLY. PHOTO TAKEN SEPT. 11, 1958  
LOOKING WEST.



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JOURNAL

SAND HING VALLEY, 4625 FT., SAN DIEGO CO., CALIFORNIA.

SEPT. 11  
+ 12

DROVE TO VALLEY IN PM ARRIVING ABOUT 6:00 PM.  
SET OUT 40 <sup>3 RATS WASH</sup> MUS SPOES, IN SANDY WASH RUNNING  
THRU COW PASTURES & HAY FIELDS. ALSO 2  
SETS OF Gopher traps, <sup>NEXT AM (SEPT. 12)</sup> GOT 4 PEROM. MANIC.,  
1 DIPLOPHILIS, ONE MICROTUS & 1 GOPHER.  
ALSO SAW A SURFACE MOWER RUN, TOOK  
OPEN ROTTEN LOG & GOT A HYLA. ALSO CAUGHT  
2 SMALL VTA BY HAND. SAW MANY GROUND  
SQUIRRELS (C. BEECHERI?). SET 20 MUS SPOES  
ON DRY HILLSIDE BESIDE CAMP & GOT ONLY  
A COUPLE OF PEROMYSCHUS MANICULATUS & A  
DIPLO TAIL TIP. SHOT ~~ABOVE~~ PM OF 11<sup>TH</sup> BUT  
HIT NONE. SAW 3 POREWILLS ON ROAD  
& SHOT ONE. OTHERS CANNING BOTH IN AM  
& PM. Dick Graham got 2 Peromys  
(TRUES??) IN DRY WASH BESIDE CAMP.  
UNUSUAL THAT NO PEROMYSCHUS TAKEN HERE.  
TOTAL PARTY CATCH:

"GOATSUCKER" (SHOT AT DUSK)	—	1
<u>THOMOMYS</u> <u>BOTTAE</u>	—	2
<u>DIPLOPHILIS</u> <u>ABILIS</u>	—	8 + 1 TAIL TIP
<u>PEROMYSCHUS</u> <u>SPP.</u>	—	2
" <u>MANICULATUS</u>	—	15
<del>#</del> <u>MICROTUS</u> <u>SPP.</u>	—	1

LOCALITY IS SHOWN ON MAPS OF ENG.'S TERR.  
CUYAHUQUE QUAD. EDITOR 1944.





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JOURNAL

3 1/4 mi. N MANZANITA, 3600<sup>±</sup> ft., MC CAIN VALLEY, SAN DIEGO CO., CALIFORNIA.

SCAT. 12  
+13

DRIVE HERE IN PM + CAMPED ABOUT 5: PM. SHOT BATS AT DUSK + GOT 1 MYOTIS SUBULANUS. SAW ONLY 2 OTHER SMALL BATS. SET OUT 40<sup>±</sup> MUS SPEC'S + 5 RAT TRAPS ON SANDY SLOPE WITH OAK SHRUBS, SMALL MANZANITA + SOME CHUNNY COMPOSITE. A FEW BARE SPOTS BETWEEN SHRUBS + SOME SMALL DEAD GRASS COVER. ALSO SET 10 MARETTES IN 5 SETS NEAR CAMP. ALSO SET 25 MUS. SPEC'S + 3 RAT TRAPS IN HORSE PASTURE WITH ONLY SPARSE GRASS IN IT.

LOCALITY IS SHOWN ON MAPS OF ENO'S TOPO. CAMPO QUAS, EDITION OF 1944.

PHOTO TAKEN OF OAK, MANZANITA, ETC. SLOPE LOOKING SW. ALSO PHOTO LOOKING N, AT HORSE PASTURE WHERE 25 <sup>MUS SPEC'S + 3 RAT</sup> TRAPS WERE PLACED.

IN TRAPS ON MANZANITA SLOPE GOT DIPLO AGLIS, ONYCHOMYS, ETC BUT IN HORSE PASTURE GOT ONLY PEROMYSCUS MANICULATUS ALONG FENCE ROW WITH WIND-BLENDED FLOWER STEMS OR SMALL BUSHES. GOT ONLY ONE GARTER, ~~PEROMYSCUS~~

TOTAL PARTY CATCH:

THOMOMYS BOTTAE ————— 1

PEROMYSCUS SPA ————— 2

PEROMYSCUS LONGIMEMBRIS — 5 (SEE 3<sup>RD</sup> PAGE FOLLOWING)



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3 1/4 mi. N MANZANITA, 3600<sup>±</sup> ft. MCCAIN VALLEY, SAN DIEGO CO. CALIF.

SECT. 13  
(CONT'D)



OPEN SLOPE WITH PATENCES OF MANZANITA  
+ A SMALL OAK OR SO SCATTERED AROUND  
ACROSS ROAD FROM CAMP. NEOTOMA (SP.?) DRAGGINGS  
SEEN AROUND BASES OF LARGER ROCKS IN PICTURE.  
MAMMALS NOT TOO COMMON HERE — DIPLO,  
ABYLIS + P. MANICULATUS PERHAPS THE MOST  
NUMEROUS — AS SHOWN BY TRAP RESULTS, ANYWAY.  
PHOTO TAKEN SECT. 13, 1958 LOOKING SW.



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JOURNAL

3 1/4 MI. N MANZANITA, 3600<sup>±</sup> FT., MCAN VALLEY, SANDIEGO CO., CALIF.

SEPT. 13  
(CONT'D)



HORSE PASTURE, <sup>(BEYOND FENCE)</sup> NEAR CAMP. TRAPS HERE  
YIELDED PEROMYSCUS MANICULATUS - AND  
THESE ONLY SHOW FENCE ROWS. AREA  
OUTSIDE OF PASTURE (AS SHOWN IN IMMEDIATE  
FOREGROUND) YIELDED SEVERAL SPECIES OF  
RODENTS, THO. PHOTO TAKEN SEPT. 13, 1958 LOOKING  
NORTH.



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JOURNAL

3 1/4 mi. N MANZANITA, 3600<sup>±</sup> FT., MCCAN VALLEY, SANDHILL CO., CALIF.

SEPT. 13  
(CONT'D)



CAMP SHOWING DR. WM Z. LIGGERS JR. &  
DICK GRAHAM<sup>(INT-SHIRT)</sup>, BOTH OF MUZ. PHOTO TAKEN SEPT.  
13, 1958 LOOKING SOUTH.





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1958

JOURNAL

2.8 MI. (BY ROAD) SE JULIAN, SAN DIEGO CO., CALIFORNIA

SEPT. 13  
(CONT'D)

(EN ROUTE FROM  $3\frac{1}{4}$  MI. N MANZANITA, etc TO  $1\frac{1}{4}$  MI. N,  $\frac{1}{3}$  MI. E AGUACAPULCO, etc.)



VIEW FROM LOOKOUT AREA CALLED  
DESERT VIEW, 4631 FT. . BANNER IS IN ABOUT CENTER  
OF PICTURE ; SCISSORS CROSSING IN FAR RIGHT.  
MOST OF <sup>THE</sup> CENTER OF PICTURE IS SAN FELIPE VALLEY.  
PHOTO TAKEN SEPT. 13, 1958 LOOKING NE.



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1958

Townsend

3 1/2 mi. N Manzanita, 3600± ft., McCAN VANCY,  
~~SANDIEGO Co. CALIF.~~

SEPT. 13  
(CONT'D)

DIPLODONTIS DESULS ~~12~~

PEROMYSCUS (BOYLEY?) — 1

" (CALIFORNICUS?) — 1

" GREENEUS — 1

" MANICULATUS — 15

ONYCHOMYS TARSIVUS — 1

NEOTOMA LAPIDATA — 1

Packed & left at 1:30 PM. Drove to:

1 1/2 mi. N, 1/3 mi. E AGUANGA, 2300± ft., RIVERSIDE  
Co. CALIFORNIA

SEPT. 13 & 14

Camped beside "BM 2331" as shown  
on maps of ENA. TOPO PHONAR Mtn.  
QUAD. (EDITION OF) 1942. Set traps around  
camp and at two other localities  
NEARBY: 1/4 mi. ENE AGUANGA, 250± ft., and 1 mi. SE  
AGUANGA, 2150± ft., RIVERSIDE Co. CALIFORNIA.

Saw 2 BATS at dusk but too far away  
to get out at them. Also saw 3 LARGE  
OWLS over wheat stubble field below  
camp after dusk. Traps began springing  
in late dusk so we ran out 3 lizards  
at night & again next AM. Caught  
large PEROG. FOLIA around camp.  
Vegetation OPUNTIA (?), TUCCA, & 5 ft. high  
broad leaved shrub. 1 photo taken  
looking W. near camp where PEROG.  
FOLIA were common. Caught a



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1  $\frac{1}{4}$  MI. N,  $\frac{1}{3}$  MI. E AQUANOA, 2300<sup>±</sup> FT. RIVERSIDE CO., CALIF.

SEPT. 14<sup>134</sup>  
(CONT'D)



TRAPPING AREA JUST BEHIND CAMP.  
PEROGNATHUS FALLAX VERY COMMON IN ALL  
THIS TYPE OF VEGETATION. NEOTOMA (SP?) NEST  
SEEN ON GROUND UNDER LARGE BUSH SEEN IN  
FAR CENTER OF PICTURE. PHOTO TAKEN SEPT. 14,  
1958, LOOKING WEST.



A.C. ZIEGLER  
1958

TOWNSHIP

1 1/4 mi. N, 1/2 mi. E AGUAS, 2300 FT., RIVERSIDE CO., CALIF.  
SEPT. 14<sup>134</sup> LICHANURA ~~IN LAST AFTERNOON OF 13<sup>TH</sup>~~ ~~AT DUSK~~ WHEN SETTING  
(CONT'D) OUT TRAPS. IT WAS DRAPE OVER AN  
OPUNTIA(?) WITH ITS HEAD TO GROUND &  
DID NOT SEEM TO KNOW I WAS EVER CLOSE  
TO IT. GOT A SYLVIUS D.O.R. NEAR  
TOWN OF AGUAS <sup>(= 1/2 MI. NE AGUAS 2100 FT.)</sup> WHEN NEARBY TO  
ROAD SIDES. SAW ANOTHER, CRUSHED TOO  
BADLY TO SAVE, ON ROAD ALSO. GROUND  
IN ONE LOCALITIES SANDY WITH SIGN  
OF MANY ROSENTH BARRONS, ESPECIALLY IMMEDIATE  
ABOUT CAMPSIDE.

TOTAL POST LIST FOR JUNE 3 LOCALITIES:  
SYLVIUS D.O.R. (D.O.R.) - 2 (ONLY 1 SAVED)  
PEROGNATHUS FALLAX 123

" LONGIMORPHUS 4

DIPLOMYS BOULIS 7

" MERRIAMI 34

REITHRODONTOMYS MERRIAMI 2

PEROMYSCUS CREMICUS 24

" MANICULATUS 12

ONYCHOMYS TORREOUS 3

NEOTOMA SAP. 3

" LEPIDA 2

GUTTED SPECIES AFTER WEIGHING THEM &  
BROUGHT THEM BACK TO BERKELEY. DISCARDED  
TRAP-DAMAGED SPECIES. LEFT AT 10:30 AM  
ARRIVED HOME 9:30 PM.





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1958

JOURNAL

2 MI. N ST. MARY'S COLLEGE, CONTRA COSTA CO., CALIF.

OCT. 1

PUT UP A SORBY ORNATUS FOR ZOO DEPT. COLL. DONATED BY TOM CASE OF MUSE. CASE REPORTED A CAT HAD BROT IT IN, #1319 A.C.Z.

SHELL BEACH, 30<sup>+</sup> FT., SONOMA CO., CALIF.

OCT 7

SAVED A SORBY ORNATUS AS SKULL ONLY - BROT IN BY W<sup>M</sup> J. HAMILTON, III OF MUSE WHO FOUND IT DEAD ON OCT. 5, 1958 ON BLUFFS <sup>DIRECTLY</sup> ABOVE THE BEACH & SURF LINE AT ABOVE LOCATION. BEACH IS ABOUT 3 MILES OR SO BY ROAD (Hwy 1) SOUTH OF TOWN OF TONNER & IS SHOWN ON CALIF. STATE AUTO ASSOC. MAP OF NORTH BAY COUNTIES. ~~ACCESSIONED~~ ACCESSIONED FOR MUSE.

"SAN FRANCISCO BAY AREA", CALIFORNIA.

OCT. 17

DR. VSINGER OF U.C. ENTOM. DEPT. DONATED A LASIVUS CINEREUS TO MUSE TODAY - SAID IT DIED WITHIN LAST 2 DAYS, BUT FROM ORIGIN-AL CONDITION SEEMED TO HAVE BEEN DEAD FOR A WEEK. DR. VSINGER SAID AN UNRECORDED PERSON HAD BROT IN BAT JUST ABOUT A MONTH AGO & THEIR DEPT. HAD KEPT IT ALIVE ON VITAMINS, ETC. SINCE IT WOULD NOT TAKE MEALWORMS. THE LOCALITY NOTED ABOVE IS THE ONLY ONE WE CAN GIVE. OTHERWISE - NO OTHER DATA. SAVED AS SKIN & SKULL & ACCESSIONED FOR MUSE. A.C.Z. # 1320.



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JOURNAL

ALAMEDA (LAWN AT 1309 SHERMAN ST.), ALAMEDA CO., CALIFORNIA  
KILLED Oct. 27. PUT UP SCARABUS FORMICZ TAKEN Oct. 25, 1958  
(ALIVE) BY MR. J. E. MCCORMICK ON LAWN OF  
HIS HOME. KILLED & WEIGHED Oct. 27 — DR. BENSON  
HAD PICKED UP THE ANIMAL FROM MR. M<sup>C</sup> Oct. 25  
AND HAD FED IT SOME DOG FOOD SO IT WAS  
STILL ALIVE AT NOON TODAY. WT. MAY NOT  
BE TOO RELIABLE, THO, SINCE IT WAS NOT  
NOTICED WHETHER THE MONG HAD ATE THE  
FOOD THAT IT MIGHT HAVE REQUIRED. NO  
WATER FURNISHED IT. DR. B. SAID THE  
LAWN ON WHICH IT WAS TAKEN WAS IN THE  
CENTER OF A RESIDENTIAL DISTRICT. MR. M<sup>C</sup>  
CAUGHT IT BY WAITING TIL HE SAW IT  
BORROWING (BY DAYLIGHT) AND THEN APPARENTLY  
SPRANG IT & DROVE IT OUT. SAID IT HAD  
MADE A MESS OF HIS LAWN.

SAN PABLO CREEK (SANTAMARIA), RICHMOND, CONTRA COSTA CO., CALIF.  
NOV. 9. PUT UP 5 SOLEX VAGANS (DESMIN NICKERSON)  
TAKEN BY GEO. F. FISHER OF MUZ IN THE SAN PABLO  
MARSH NEAR (WITHIN 100 YDS, PROBABLY) OF THE  
SAN PABLO FILTRATION (OR SEWAGE?) PLANT. ANIMALS  
WELL OUT IN ~~SPAD~~ SANICORNIA MARSH. GEO.  
ALSO TOOK MICROTUS & 4 OR 50 REITHROD —  
AT LEAST ONE WITH A VERY RED BELLY.  
TRAPPING LOCALITY AS SHOWN ON A CURRENT  
CALIF. AUTO. ASSOC. MAP (CITIES OF RICHMOND,



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## JOURNAL

Nov. 9 (cont'd) SAN PABLO CREEK (SANT MARSH), RICHMOND, CONTRA COSTA CO. CALIF.  
(EL CERRITO, SAN PABLO & VICINITY) IS ON ~~THE~~ <sup>SOUTH</sup> SIDE OF SAN PABLO CREEK ABOUT 250-300 YDS SW OF JUNCTION OF COUNTY ROAD NO. 20 AND AN UNNAMED ROAD RUNNING N AND S THRU MARSH.

Nov. 15 1.0 mi. N, 2.0 mi. E MARTINEZ (SANT MARSH) CONTRA COSTA CO. CALIF.  
RPT UP 3 SOLEX ORNATUS TAKEN BY GEO. F. FISHER OF MVE IN EXTENSIVE SANICORNIA MARSH. GEO. ALSO TOOK 20<sup>+</sup> BEETLES & 2 MIGRANTS. SEE HIS JOURNAL FOR MORE ECOLOGICAL DATA (PROBABLY)

END 1958 JOURNAL



Ziegler, A. C.

1958

Species Accounts

Mammals





A. C. ZIEGLER  
1958

Sorex ornatus

(1)

Strawberry Canyon (New Botanical Gardens), Berkeley, Alameda Co., Calif.

FEB 20

PUT UP 4 TAKEN IN SNARE & LIVE TRAPS BY  
F. CAMP & B. TERREO (STUDENTS IN ZOO 128 CLASS). WITH  
NOO BELOW JUST WHAT THE HABITAT THEY TRAPPED WAS.  
1 OTHER Sorex ornatus DISCARDED BECAUSE OF BROKEN  
SKULL. FOUND LATERAL GLANDS <sup>(EXTERNALLY)</sup> FUR-COVERED, ON  
FRANK OF BOTH ♂ & ♀, ♂ ALONE HAD ~~THE~~ LARGE  
<sup>(INTERNALLY)</sup> GLANDS JUST BESIDE THE ANUS. COULD BE CONFUSED  
WITH TESTES AT A QUICK GLANCE. ♂ HAD DECIDED  
"IRON" or "BRASSY" OOR - POSSIBLY FEAR THESE LATERAL  
GLANDS. ♀ VULVA ENLARGED BUT NO SCARS OR  
EMB'S VISIBLE & NO MAMMARY ISSUES. THESE 4  
WENT TO DEPT ZOO, 113 STUDENT COLL.

APR 23

ONE TAKEN IN LIVE TRAP <sup>BY FM BYRNES</sup> - DEAD IN AM. ♂ - ANAL  
~~GLANDS~~ GLANDS (~~ON~~ DORSAL-LATERAL FROM ANUS &  
BASE OF TAIL) ALMOST SIZE OF TESTES (3x6mm)  
NO MARKS OOR TO UNBROKEN GLANDS - PERHAPS  
SINCE ANIMAL WAS STILL VERY FRESH

JUNE 10

2 DEAD IN LIVE TRAPS TOYDOS UP CYCLOWAY  
ROAD FROM BOT. GARDENS. STILL HAD FOOD  
(ALLEGED OATS & BIRD SEED) IN MOUTH. BOTH YG. MALES,  
BOTH 3.3 gms. TESTES  $\frac{1}{2}$  x 1 mm & 1 x  $\frac{1}{2}$  mm. ONE  
SHOWED DEFINITE MOLT PATTERN. CANNOT RECO  
1 LEITHRO & 2 ♀ MICROTUS (AN) PERNICUS.

2 MI. N ST. MARYS COLLEGE, CONTRA COSTA CO., CALIF.

OCT 1

♂ BROT IN BY CAT. TESTES  $\frac{1}{2}$  x 1 mm (AID ?); NOT FAT;

ANAL GLANDS NOT EVIDENT NO MUSKY OOR.; WELL-BITTEN  
BUT NOT AT ALL EATEN BY CAT.



A.C. ZIEGLER  
1958

Sorex ornatus

(2)

Nov. 15 1.0 mi. N, 2.0 mi. E MARTINEZ (SALT MARSH), Contra Costa Co., Calif.  
3 <sup>OR CALIFORNIA'S SUBSPECIES</sup> TAKEN BY GEO. FISHER OF MUSE IN EXTENSIVE  
SANICORNIA MARSH. 1 was ♀ WITH AN "ADULT"  
UTERINE TRACT BUT NO MAMMARY TISSUE; 1 was  
YOUNG ♂ WITH  $\frac{1}{2} \times 1$  mm TESTES; 1 was OLDER  
♂ WITH  $1 \times 3$  mm TESTES AND ANTRAL GLAND JUST  
ABOUT THE SAME SIZE. IT ALSO HAD A VERY  
SLIGHT "METALLIC" GLOSS - PROBABLY FROM ANTRAL  
GLANDS. NONE OF ANIMALS WAS NOTICEABLY  
FAT. ALL HAD BEEN TAKEN IN MUS. SPEC. TRAPS.  
GEO. ALSO TOOK 20<sup>+</sup> PEROMYSCUS (SP?) + 2  
MICROTUS. ~~BARROWS ARE~~ # 1328-1330 A.C.Z.



A.C. ZIEGLER  
1958

SOREX MOWBRIDGE

1 MI. W BOWMAN A.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN  
JOURNAL.



A.C. ZIEGLER  
1958

SARBY WARREN

SHELL BEACH, 30<sup>±</sup> FT., SONOMA CO., CALIFORNIA

OCT. 7 ♂ FOUND DEAD <sup>OCT. 5</sup> BY WM J. HAMILTON ON TOP  
OF BLUFFS ABOVE BEACH. SCRAPED ASER ON  
CRANIUM BUT OTHERWISE NO INJURIES.  
TESTES 1x1 mm. SLIGHTLY DESICCATED SO WT  
MAY BE A LITTLE LOW. INTESTINES (4 STOMACH?)  
SEEMED TO HAVE FOOD IN THEM. SKULL ONLY - TO MUSE.

SAN PABLO CREEK (SALT MARSH), RICHMOND, CONTRA COSTA CO., CALIF.

NOV. 9 5 TAKEN IN <sup>EXTENSIVE</sup> SALICORNIA MARSH BY GEO.  
FISLER. ALL DEAD IN SHERMAN LIVE TRAPS.  
1 ADULT, OR AT LEAST MOST DEVELOPED ♀, 1 mm?  
♀ + 3 mm. ♂'s (TES  $\frac{1}{2}$  x 1 mm). ANIMALS NOT FAT.  
NO OBVIOUS ANTRAL GLANDS OR OVARIES. GEORGE ALSO  
TOOK 4 OR 5 REITHRO'S (RAVIVENTRIS?) + MICROTUS.





A.C. ZIEGLER  
1958

NEUROTRICHUS GIBBSI

1 mi. W BOLINAS P.O., 120<sup>+</sup> FT. MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN JOURNAL. SPECIMEN WAS ♀. BODY PRESERVED IN 10% FORMALIN TO BE SENT TO CLINTON CONNOR LATER AT UNIV. MO.

JULY 3 1 ♀ TAKEN TODAY AFTER 5 DAYS WITHOUT ANY OF THESE SPECIES. THE SHREWMOLE AT THIS LOCATION HAVE VERY LITTLE GREENISH SHEEN OR REFLECTING IN THE FUR.

JULY 16 TOOK 2 ♀ & 1 ♂ LAST NITE IN TRAPPING ALONG WITH 1 ♀ MICROTUS. THIS RUN OF NEUROTRICHUS MAY HAVE BEEN BROT. ABOUT IN SOME (UNKNOWN) MANNER BY HEAVY FOG & SOME POSSIBLE <sup>LITE</sup> RAIN LAST NITE. GROUND & FOLIAGE WAS QUITE DAMP WHEN I RAN TRAPS & RAIN FELL LITELY ABOUT 8:30 AM LATER IN DAY — OR THE 3 ANIMALS IN ONE NIGHT MAY JUST HAVE BEEN CHANCE. SEE CHART IN NOTES FOR JUNE 22, 1958, THIS JOURNAL



D.C. ZIEGLER  
1958

SCAPANUS LATIMANUS

STRAWBERRY CANYON, BESSEMER, ARIZONA CO., CALIF.

MAR 1

SAW FRESH SURFACE RUN IN LOAMY AND  
SHADY, DAMP SHADE JUST BEFORE STRAWBERRY  
CREEK (SNOWBERRY CREEK?) ON N. SIDE OF U.C.  
BOTANICAL GARDEN FENCE. HAD NO MORE TRAPS  
BUT SET 2 MORE BEE GATHER TRAPS IN  
RUN AND ALSO 2 MUS. TRAPS. 1 MUS. TRAP.  
THIS MORNING HAD ONLY PUSHED ON TO  
IT BUT <sup>SUCCESS</sup> WHERE I HAD DUG INTO RUN TO  
WHERE TRAP ~~WAS~~ WAS LEFT OVER THE MOLE  
APPARENTLY HAD NOT WANTED TO USE THE  
OLD BURROW LINE & HAD REBURNED (OR RE-  
WIT) UNDER THE TRAP.

1 MI. W. BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 15 SEE NOTES & CHARTS UNDER THESE DATES  
& JUNE 22 IN JOURNAL.

JUNE 24

I TAKEN IN MARBEE HAD 2 SMALL (IMM AD.) TICKS  
ON <sup>(NOT ARM)</sup> BACK OF RIGHT "HAND" & 1 ON BACK OF LT. "HAND."

JULY 17

I IN MOLE TRAP THIS AM. SET TRAP IN  
A FRESH MOLE SURFACE RUN ABOUT 8 OR 10 DAYS  
AGO. ~~IT WAS~~ THE RUN WAS USED DURING THE  
NEXT NIGHT, AS SEEN BY FRESH DIRT MILED  
UP AROUND EDGES OF TRAP, BUT I HAD FOR-  
GOTTEN TO RELEASE THE SAFETY CATCH SO  
MISSED THE ANIMAL. I RELEASED SAFETY  
BUT GOT NO CATCH UNTIL LAST NITE.

THIS MOLE ALSO HAD SMALL TICKS ON BACKS & "THUMB EGGS"  
OF HANDS. ALSO 2 TICKS ON RT. REAR FOOT.



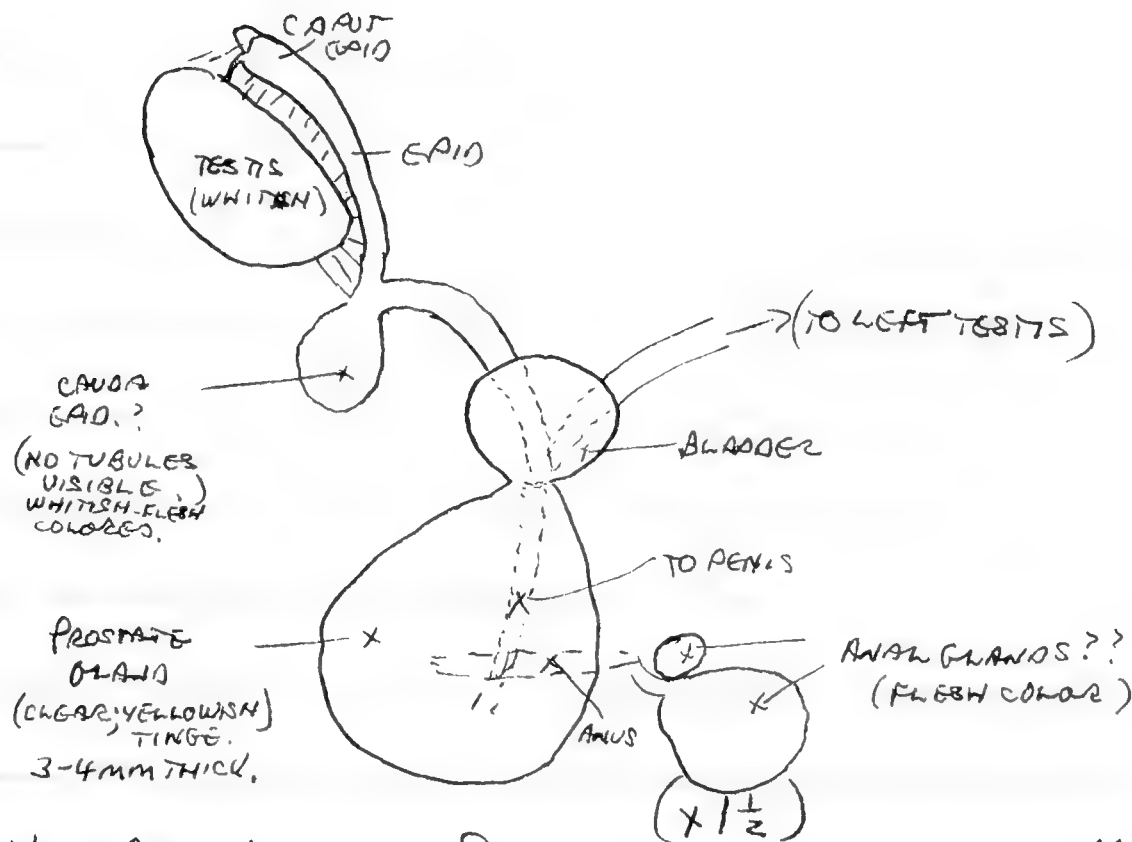
A.C. ZIEGLER  
1958

SCORANUS LATIMANUS

ANAMCOA (<sup>LAWY ST</sup> 1309 SHERMAN ST.), ANAMCOA CO., CALIF.

KILLED OCT. 27

1 TAKEN IN MIDDLE OF RESIDENTIAL DISTRICT,  
WT AFTER BEING FEED IN CAPTIVITY FOR 2 DAYS:  
50.0 gm, ♂, TESTES 6 x 11 mm. DO NOT QUITE UNDER-  
STAND REPRODUCTIVE APPEARANCE BUT WILL MAKE  
INQUIRIES & ENTER INFO. LATER. A SLIGHT "METALLIC"  
SMELL TO BODY - PERHAPS FRAGRANT GLANDS.  
THIS <sup>MORE</sup> IS THE SMALL PACE RESIDING TO  
ANAMCOA IS. A.C.Z. # 1322.



VENTRAL VIEW OF SCORANUS A.C.Z. 1322, MICRO-SLIDES  
MADE OF SET ORGANS & NECESSARY GLANDS.

SECTIONING SHOWS CAUD. END PACKED WITH  
SPERM & TESTES WITH ONLY RELATIVELY FEW TUBULES  
FULL OF SPERM. SPERM;



A.C. ZIEGLER  
1958

MACROTUS CALIFORNICUS

PVT UP  
AUG-20 MOUNTAINEER MINE, T. 2S, R. 24E, RIVERSIDE CO., CALIF.

PVT UP 1 ADULT ♀ WITH NO EMB'S OR SCARS  
BUT WITH ENLARGED MAMMAE + HEAVY MAMMARY  
TISSUE + 2 YOUNG ♀'S — FROM A LARGE  
LOT COLLECTED BY CHAS. S. THAGLER ON JULY 18,  
1958. (SEE <sup>JOURNAL THIS DATE</sup> SPECIES ACCOUNT OF MYODIS VENTROR  
FOR MORE INFO.). YOUNG ~~PELAGE~~ "MOUSE"  
GREY — ADULT MORE BROWNISH-GREY WITH  
CONSPICUOUS WHITE BASES ~~TO~~ HAIRS. 20<sup>+</sup> SPEC'S  
PVT UP BY THAGLER RANGED IN WT. FROM  
<sup>PVT UP</sup> 8.1 TO 13.5 gm. — ♂'S WITH 1 MM. TESTES  
WEIGHED UP TO 11.8 OMS + THOSE WITH 3 MM.  
TESTES UP TO 13.4 gm SO ~~APPARENTLY~~ <sup>APPARENTLY</sup> YOUNG  
AND ADULT REPRESENTED IN HIS COLLECTION.  
MY ADULT ♀ HAD BEEN FROZEN SO IT MAY  
BE DOUBTFUL THAT THE MILKY-BROWNISH  
FLUID SQUEEZED OUT OF THE LARGE NIPPLES  
WAS ACTUALLY MILK — IF IT WAS NOT, THE  
ANIMAL MUST HAVE BEEN JUST BRAGGY  
AUST. LACTATING. THAGLER DID NOT NOTICE  
ANY ♀ CARRYING THE LARGE YOUNG BUT  
AS BATS WERE SCOOPED OFF CEILING WITH  
NET HE MAY HAVE MISSED SEEING THEM  
WITH ~~THE~~ CHANGING YOUNG. MAMMAE  
THORACIC + WENT OVER TO WING MEMBRANE  
+ BODY WALL JUNCTION. BOTH MAMMAE SEEMED  
EQUALLY <sup>WELL-</sup> DEVELOPED. NO NOTICEABLE AMOUNT OF  
FAT ON ANY OF MY 3 SPECIMENS.





P.C. ZIEGLER  
1958

MYOTIS CALIFORNICUS

1 MI. SE INVERNESS, MARIN CO., CALIF.

PUTUP APR. 23

PUT UP FOR DEPT. 200 113 COW. NO FAT BUT  
TESTES <sup>TIL DEATH APR. 16, 1958</sup>  
GROWING SINCE APR. 13, 1958.  
TUT + IN A BLACKISH SHEATH OF SKIN(?) STRETCHING  
OUT FROM ABDOMINAL CAVITY, <sup>ON OTHER SIDE OF PENIS</sup> TOWARD TAIL MEMBRANE  
QUITE DRIED UP.



A.C. ZIEGLER  
1958

MYOTIS SUBULATUS

3 1/4 MI. N. MANZANITA 3600± FT., MCAN VALLEY, SAN  
DIEGO CO., CALIFORNIA.  
SEPT. 11 SHOT 1 ♂ AT "DEER" DUSK TODAY  
FLYING AROUND 2 OAKS ON DIRT ROAD.  
SHOT TOOK AWAY ALL GUTS + BACKBONE, ETC.,  
BUT COULD BE SEXED EXTERNALLY BY ~~LOOKING~~  
THIN PENIS. HIGH WIND THIS P.M.; NO MOON  
SAW ONLY 2 OTHER BATS + THERE WERE  
SMOKES ALSO.



A.C. ZIEGLER  
1958

MYOMYS VENTRI

PUT UP  
AUG-20

MOUNTAIN VIEW MINE, T.25, R.24E, RIVERSIDE CO., CALIFORNIA.

SEVERAL TAKEN BY CHAS. S. THAYER ON  
JULY 18, 1908 ALONG WITH GATESICUS FUSCUS.

~~MASTOMYS (2) (WT. 5.5 - 7.5 gm. NO EMB. NO SCAL.) BUT~~

PUT UP 1 FOR PERSONAL USE - ♂ TB 376 + IN  
INTERFEMORAL MEMBRANE WT. 7.4 - REST OF  
THAYER'S SPECIMENS ABOUT THIS WT. ALSO  
(5.5<sup>±</sup> TO 7.5<sup>±</sup> gm) - ONLY 1 ♀ - WT 6.5 NO EMB, NO SCAL.  
IN ANOTHER SHIRT LESS THAN  $\frac{1}{4}$  MI. AWAY  
MANY MAEROTUS WERE TAKEN BUT I AM NOT  
SURE WHETHER THERE WAS A COMPLETE  
SEPARATION OF THE SPECIES IN THE 2 ADJACENT  
LOCALITIES. NO FAT NOTICED ON MY SPECIMEN.

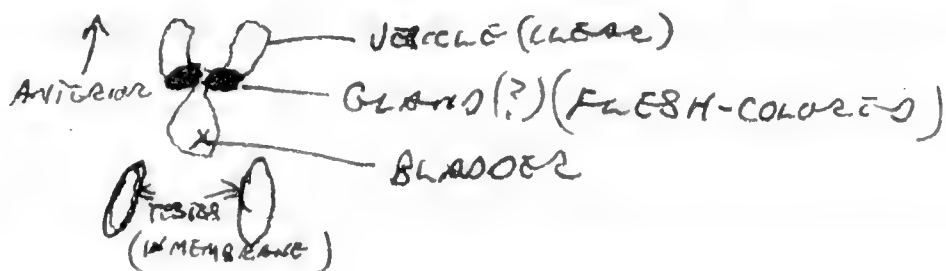


A.C. ZIEGLER  
1958

LABIURUS CINEREUS

4 MI. E HAYLAND, 1000 FT., MENDOCINO CO., CALIF.

APR 10. 2 SHOT BY DR. CARL B. KOTZCO AT DUSK  
OUTSIDE HIS HOME AT ABOVE LOCALITY. HE  
SAID HE HAD SHOT ANOTHER, I THINK, THE  
NIGHT BEFORE. ~~I SEEM TO REMEMBER HIM~~  
~~SAYING IT WAS A ♀ BUT I MIGHT BE MISHEARD.~~  
~~THE~~ THE FORMER 2 WERE ♂, TESTES  $1\frac{1}{2} \times 3$  MM,  
AND WITH WHAT APPARENTLY WERE SEMINAL  
VESICLES FAIRLY LARGE & ALMOST CLEAR.  
AT BASE OF EACH OF THESE VESICLES WAS A  
ROUND, FLESH-COLORED BODY. THE TESTES WERE  
ENLARGED AND PRACTICALLY OUT IN THE TAIL  
MEMBRANE. NO FAT NOTICED ON EITHER ANIMAL.  
SEMINAL VESICLES & THE ROUND GLANDS(?) AT THEIR  
BASES. TWICE NATURAL SIZE, VENTRAL VIEW:



PUT UP  
MAY 27

NO EPIDIDYMIS-LIKE BODIES NOTICED ON OR AROUND TESTES.  
Rec'd 6 MORE FOR MUSE FROM DR. KOTZCO  
~~SHOT~~ BETWEEN APR. 12 AND MAY 19 THIS YEAR.  
THE 1 ♀ HAD A VERY SHITE SWELLING AT UPPER END  
OF RT. UTERINE HORN WHICH DR. BENSON THOT  
POSSIBLY COULD HAVE BEEN A NEWLY-IMPLANTED  
EMBRYO. HE SAID ♀ SHOULD BE PREGNANT AT  
THIS TIME OF YEAR. ♂ SHOWED  $1\frac{1}{2} \times 4\frac{1}{2}$  MM  
TESTES AT EDGE OF INTERFEMORAL MEMBRANE,  
EPIDIDYMUS THREADLIKE. OTHER GLANDS AS IN DRAWING  
ABOVE.





A.C. ZIEGLER  
1958

LASIURUS CINEREUS

2.

"SAN FRANCISCO BAY AREA", CALIFORNIA.

OCT. 17

ONE ♀ OBTAINED BY ENTOM. DEPT. OF U.C.  
FROM AN UNIDENTIFIED PERSON ON ABOUT SEPT. 17  
OF THIS YEAR. WAS KEPT ALIVE ON LAB. LIQUID  
DIET SINCE IT WOULD NOT TAKE MOTH WORMS  
& DIED OCT. 15<sup>±</sup>. NO EMB'S. QUITE DEHYDRATED  
SO WEIGHT (<sup>15.7</sup>~~15.7~~ gm) IS PROBABLY LOW.



A.C. ZIEGLER  
1968

HOMO SAPIENS AMERICANUS

①

BROOKS ISLAND, 0<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 18

DUG OUT SKELETON OF BODY FROM WAIST  
+ ELBOWS UP FROM A 12 TO 15 FT. THICK  
BANK OF SHELLS + DIAT ON N TIP OF ISLAND.  
BODY WAS LESS THAN A FOOT ABOVE HI HOE  
MARK THIS DAY AT LEAST. PAUL ANDERSON  
HAD SEEN DISTAL TIP OF RADIUS, PROXIMAL  
TIP OF ULNA + PROXIMAL TIP OF TIBIA  
STICKING OUT OF BANK BEFORE + HAD  
TAKEN THEM OUT, DUG AROUND SOME  
MORE + NOT FINDING ANYTHING ELSE  
HAD LEFT BONES 100 FT OR SO AWAY ALONG  
BEACH WHERE I FOUND THEM SOMEWHAT  
BLEACHED. I SAW, IN THE SPOT PAUL POINTS  
OUT, THE <sup>DISTAL</sup> TIP OF A HUMERUS STICKING OUT  
— ALMOST CERTAINLY OF THE SAME SPEC.  
TO WHICH PAUL'S FIND BELONGED — AND ONE  
IN HERE. TOP OF CRANIUM POINTED ROUGHLY  
W + FACE WAS TOWARDS SOUTH AS SKELETON  
LAY ON, ITS SIDE APPARENTLY. NO PELVIS  
OR LEG BONES FOUND, NOR HAND OR FOOT  
BONES — PERHAPS THESE ALL HAD BEEN  
WASHING OUT OF TIDE-CUT BANK WHEN  
PAUL HAD FOUND THE LIMB BONES. THE  
FACT THAT LEGS, PELVIS + <sup>MOST OF</sup> DISTAL ARM  
BONES WERE GONE MAKES IT APPEAR THAT  
PERHAPS SKELETON WAS LYING ON ITS SIDE IN  
A ARMS AROUND-KNEES POSITION OR SOME.



A.C. ZIEGLER  
1958

(2)

HOMO SAPIENS AMERICANUS

BROOKS ISLAND, 0.5 FT., CONTRA COSTA CO., CALIF.

JAN. 18  
(CONT) THING LIKE THIS & WATER HAD WASHED  
BACK TO A LINE FROM ELBOWS TO LUMBAR  
VERTEBRAE LEAVING SHOULDERS, CHEST,  
UPPER ARMS, RIBS, CERVICAL & THORACIC  
VERTEBRAE & SKULL IN THE BACK.

BODY MAY HAVE BEEN BURIED AT BOTTOM  
OF AT LEAST THIS SECTION OF MOUND AS IT  
SEEMED TO BE LYING ON BLACK SOIL WITH  
SHELL MOUND MATERIAL ABOVE & AROUND IT  
BUT NOT (FOR AT LEAST 4 INCHES - AS FAR DOWN  
AS I DUG) BELOW IT. FOUND 1 BIRD BONE,  
PROXIMAL TIP OF DEER ULNA & 2 BONE  
SCRAPERS(?) RIGHT IN WITH BONES OF  
SKEL. NO OTHER BONES (AS MIGHT HAVE  
COME FROM KITCHEN MIDDEN MATERIAL)  
FOUND AROUND SKEL, SO I THINK DEER  
& BIRD BONES & SCRAPERS MUST HAVE  
ACTUALLY BEEN BURIED WITH SKEL.

TEETH WERE WORN - NO ALVEOLAE  
FOR ROOTS OF LEFT UPPER  $M^3$ .  $Rt \frac{1}{2}$   
OR LESS OF MANIBLAE GONE & EVEN THO  
I DUG CAREFULLY AROUND THE MAIN PART  
OF DENTURE I DID NOT SEE THE MISSING AEE.  
WILL TRY TO GET DATA FROM ANTHROP. DEPT.  
ON THE SPECIMEN.

FOUND UPON COMPARING BONES DUG UP ~~RE~~ ABOUT  
1 TO 2 FT. DOWN FROM TOP OF MOUND ON EXPOSED SIDE



A.C. ZIEGLER  
1958

(3)

HOMO SAPIENS AMERICANUS

BROOKS ISLAND, 0<sup>+</sup> FT., CONTRA COSTA CO., CALIF.

JAN. 18  
(CONT.)

ABOUT 50 TO 75 FT. AWAY FROM OTHER SKELETON THAT THEY WERE MOSTLY BONES OF A HUMAN FOOT (TARSALS, METATARSALS, CUNEIFORM & PHALANXES) BUT ALSO INCLUDED DISTAL TIP OF (PROBABLY) CLAVICLE & THE SIDE OF THE RIGHT ORBIT OF SKULL (= PART OF JUGAL) ALSO FOUND CHARCOAL AMONG BONES & AN OLD STYLE CORK  $\frac{1}{2}$  PT. WHISKEY BOTTLE AND A SAWED PIECE OF SHEEP(?) VERTEBRA. SEEMS AS IF GARBAGE HAD BEEN MIXED IN AT A LATER DATE WITH AN OLD INDIAN BURIAL. A HOLE 2 FT. DEEP & 2 FT. DEEP HAD ALREADY BEEN DUG JUST BELOW THE BONES I FOUND AND, AS THE JUGAL FRAG. SHOWED ~~ABOVE~~ & BLEACHING IT MIGHT HAVE BEEN PART OF A SKULL DUG OUT OF THIS HOLE BEFORE. THIS PART SKELETON WAS ABOUT 5 FT. ABOVE THE LEVEL OF THE FIRST ONE DUG OUT BUT ONLY A FOOT OR SO FROM TOP OF MOUND SINCE MOUND HAD "THINNED" DOWN TO ABOUT 6 OR 7 FT. HIGH AT THIS SPOT. THESE LAST-MENTIONED FRAGS GIVEN ONE # (A.C.Z. 994) ALTHO THEY MIGHT NOT BELONG TO JUST ONE INDIVIDUAL. SKULL & PART SKEL. MENTIONED ON PRECEDING PAGES IS # 993 A.C.Z.

FEB 9 DUG UP AN INFANT AND AN ADULT SKELETON TODAY AND ALSO COLLECTED REST OF SKELETON FOUND BY PAUL ANDERSON LAST WEEKEND. SEE MY JOURNAL THIS DATE FOR FURTHER INFORMATION.





A.C. ZIEGLER  
1958

HOMO SAPIENS AMERICANUS

BROOKS ISLAND,  $5 \pm$  FT., CONTRA COSTA CO. CALIF.

MAY 2 1 OLD ADULT SKEL FOUND BY FLO  
ANDERSON & DIG OUT BY MYSELF. MOST OF  
LONG BONES APPARENTLY WASHED OUT ANDERSON  
AS I GOT ONLY SKULL, RIBS, ~~VERTE~~ & SOME  
EXTREMITY BONES. SKULL WITH NO DIRT  
INSIDE BUT LOWER JAW PUSHED UP INTO  
FACE. SKULL CAME OUT IN PIECES. NO ~~POSTERIOR~~  
~~TEETH~~. FACE TOWARDS THE SOUTH & ~~UPWARD~~



A. C. ZIEGLER  
1958

SYLVIA AUSUBONI

$\frac{1}{2}$  MI. NE AQUANGA, 2100<sup>+</sup> FT.,  
 ~~$\frac{1}{4}$  MI. N, 3 MI. E AQUANGA, 2300<sup>+</sup> FT. RIVERSIDE CO., CALIF.~~

SEPT. 14. 2 FOUND D.O.R., + ONE SAVED. RUFOUS  
PATCH BEHIND EYES QUITE EVIDENT ON THE  
SPECIMEN PRESERVED. APPARENTLY KILLED BY  
AUTOS BETWEEN DUSK AND 10 AM. TO DAY.



A.C. ZIEGLER  
1958

CITELLUS BEEMERI

PUT UP  
Aug-19: PANOCHÉ CREEK, 550<sup>±</sup> FT., FRESNO CO., CALIFORNIA.

1 TOWN BY V.C. LEWIN JAN 30, 1958 + K500  
IN FREESTER TIL NOW. TESTES 12x20mm BUT  
EPIDIDYMIS WITH NO SIGN OF ENLARGED TUBULES.  
TESTES SCARCE. NO SUBCUTANEOUS FAT.



A.C.Z. FOLLO  
1958

Citellus nelsoni

PUTUP  
FEB 4

8 mi. E, 5 mi. N Mercury Hot Springs, ~~8~~ 4500<sup>±</sup> ft, Fresno Co., Calif.

PUT UP ♀ (NO EMB'S) FOR MUSE SHOT BY VIC LEWIN & DUG OUT OF HOLE BY VIC & BILL MANGIS. VAGINA HAS WHITE COAT ON CORRUPTED WALLS WHICH STROUNGED AT IN 1 PIECE. HORNS OF UTERUS 3 OR 4 MM IN DIA & QUITE LONG - LOOKED LIKE INTESTINE RATHER THAN UTERUS. ANIMAL NOT FAT. VIC LEWIN & W.M.J. MANGIS FIELD NOTES SHOULD GIVE HABITAT DATA.





A.C. ZIEGLER  
1958

THOMOMYS BOTTAE

①

12 MI. SE (BY ROAD) PSICINES, SAN BENITO CO., CALIF.

JAN 31

3 TAKEN 20 TO 30 FT. AWAY FROM ROAD  
BESIDE WIRE FENCE IN RIDGE OF DIRT COVERED  
WITH THICK 1 FT. HIGH GRASS. ONLY 1 HOLE HAD  
FRESH DIRT THROWN UP ABOUT IT BUT INACTIVE-  
LOOKING BURROWS TOOK 2 OF THE 3 ANIMALS.  
BURROWS WERE RELATIVELY BIG - BETWEEN  
 $3\frac{1}{2}$  + 4 IN. IN DIA. BUT GARNERS WERE NOT  
ESPECIALLY BIG. ANIMALS SEEMED RATHER  
BRIGHT BROWN ON THE ANTERIOR END &  
BACK. SOIL WITH A SMALL AMOUNT OF GRASS  
IN IT, DAMP AND BROWN, COHESIVE. NO BURROWS  
WERE NOTICED IN THE FIELDS <sup>ON OTHER SIDE OF FENCE</sup> ~~TO~~ TO EITHER SIDE  
OF ROAD. THERE WAS VERY SHORT OR NO GRASS  
& WERE PROBABLY GRASS BY CATTLE AND/OR  
SHEEP. ONLY 6 TRAPS WERE SET OUT IN 4 OR  
5 SETS. OTHER ANIMALS TAKEN IN AREA - DIPLO  
HELMANNI, PEROMYSCUS MANNICURATUS, REITHRO  
& NEOTOMA LEPIDA. SAW BEAR TRACKS ALSO.  
MANY NICE ON THE GARNERS.

SWAN CREEK CANYON, BERKELEY, ALAMOGADO CO., CALIF.

MAR 1

PUT UP A SMALL ONE CAUGHT <sup>IN BURROW</sup> ~~IN~~ GRASSY  
SPRING SHADE TO N. SIDE OF U.C. BOTANICAL  
GARDENS FENCE. NO FRESH WORKINGS SEEN <sup>LAST</sup> ~~LAST~~ PM.  
- THOSE NOTICED WERE A DAY OR SO OLD.  
AFTER PICKING UP TRAPS THIS AM. SAW  
FRESH WORKINGS AT ANOTHER SET BUT TRAPS SET



A.C. ZIEGLER  
1958

THOMOMYS BOTTAI

(2)

MAZ1, (CONT.) STRAWBERRY CANYON, BERKELEY, ALAMOGORDO CO., CALIF.  
THERE WERE <sup>BRICK</sup> ~~INSPIRING~~ ~~AND~~ AS FILLED WITH  
DIRT & SPRUNG BY GARDNER. HAD HEAVY SAND  
AND WOOD WEED.

2 3/4 mi. S, 2 1/2 mi. E Scissors Crossing, Fortovale Valley, San Diego Co., Calif.  
SEPT. 10 3 TAKEN IN SANDY, LIGHT BROWN LOAM ABOVE  
EDGE OF HIGHWAY. BRED OF HIGHWAY WAS GRAZED  
CATTLE LAND BUT SAW NO MOUNDS ~~ANYWHERE~~  
OUT IN THE FIELDS BUT NO TOPOGRAPHY SEEMED  
SIMILAR. THESE ~~GARDNER~~ BURROWS WERE  
FROM 8 INCHES TO A FOOT OR SO UNDER  
THE GROUND & SEEMED LARGE IN DIAMETER  
FOR THE ANIMALS WE CAUGHT. ONE GARDNER  
(OR L'S #) HAD AN EXCEPTIONALLY LONG THICK  
TAIL.

SENO THING VALLEY, 4625 ± FT., SAN DIEGO CO., CALIFORNIA  
SEPT 12 DR. L & I TOOK 1 EACH IN SANDY SOIL  
ANIMALS FAIRLY SMALL. RUNS ABOUT  
8-10 INCHES BELOW GROUND. SEEMED TO BE  
ONLY A SMALL AMOUNT OF FRESH  
WORKING VISIBLE IN PART OF VALLEY WE  
TRAVELED.

3 1/4 mi. N MANZANITA, 3600 ± FT., MC CAN VALLEY, SAN DIEGO CO., CALIF.  
SEPT. 13 SAW SEVERAL SETS OF DIGGINGS BESIDE  
ROAD THRU VALLEY NEAR CAMP BUT NONE IN



A.C. ZIEGLER  
1958

THOMOMYS BOTTAE

(3)

3 1/4 MI. N MANTANITA, 3600± FT., MCAN VANNER, SAN DIEGO CO., CALIF.

SEPT. 13  
(CONT'D)

A BRIEF SEARCH AT THE FENCED-AFF HORSE PASTURES FURTHER BACK FROM ROAD. MADE 5 SETS & GOT ONLY 1 ANIMAL OVERNITE. RUNS ABOUT 8" TO 12" BELOW THE SURFACE & RATHER SHALLOW. DIRT MOUNDS UP BY GARDENERS WAS DRY & CRUMBLY SO IT WAS HARD TO TELL IF WORKINGS WERE 1 DAY OR 1 WEEK OLD. GARDENERS CAUTION WAS RATHER SHALLOW. GROUND, EVEN WHEN DAMP, DID NOT SEEM TOO HARD. PROBABLY NOT AS HARD AS THE GARDEN. SOAKING WET, TWO, MIGHT HARDEN IT CONSIDERABLY.



A.C. ZIEGLER  
1958

Perognathus Parus

①

Scissors Crossing Earthquake Valley, San Diego Co., Calif.

SEPT. 10 TOOK <sup>TOTAL OF</sup> 3 OR 4<sup>+</sup> OF THIS ANIMAL AT CROSSING  
& AT  $3\frac{1}{4}$  MI. S,  $2\frac{1}{4}$  MI. E SCISSORS CROSSING. SO  
WAS A RELATIVELY SCARSE ANIMAL. TAIL  
SEEMS NOT TOO LONG & ~~FEET~~ HAS LONG  
WHITE SPINY HAIRS ON RUMP.

DR. BENSON SAYS, COMPARED TO CANIFORNIA  
PARUS HAS SOFTER RUMP SPINES (CAN'T  
HARDLY BE FELT AT A TOUCH) AND  
HAS A SHORTER EAR (9-10mm COMPARED  
TO 11<sup>+</sup>mm FOR CANIFORNICUS.)

(SEE NEXT PAGE)





A. L. ZIEGLER  
1958

(2)

PEROGNATHUS FANNING

1 1/4 mi. N, 1/3 mi. E Aguanga, 2300± ft. Riverside Co., California

SEPT. 14 TOOK APPRX. 130 OF THIS SPECIES IN 3 LOCATIONS AROUND AGUANGA LAST NIGHT & THIS AM. BY FAR THE MOST COMMON MOUSE HERE. STARTED CATCHING THEM WHEN IT WAS BARELY DARK. MANY HAD LARGE, QUICK WHITE-BODIED MITES ON THEM. BROT SOME INTO ~~AN~~ ENTOMOLOGIST DOCT. BUT THEY WERE NOTHING UNUSUAL APPARENTLY. MOST OF THE PEROGNATHUS SEEMED ADULT SIZE. ROUGHLY 1/4 TO 1/3 HAD LOST A NOTICEABLE PORTION OF END OF TAIL. WE DISCARDED MOST OF THESE "SHORT-TAILED" ANIMALS SO THE SPECIMENS PUT UP DO NOT GIVE AN ACCURATE PICTURE OF VARIATION IN TAIL LENGTH IN THIS PEROGNATHUS. BURROWS INTO GROUND ABOUT 1 1/2 IN. IN ~~THE~~ WERE NOTICE ON ABOUT EVERY SQUARE YARD OR SO OF GROUND ABOUT CAMP. ANTHO FEW BURROWS WERE SEEN ON THE VEGETATION <sup>AND LITTLE WOOD</sup> ~~ALONG~~ <sup>ALONG</sup> ROAD RUNNING THRU TRAPPING AREA, NEAR CAMP. THESE MICE WERE ~~NOTICED~~ <sup>RECOGNIZED</sup> ~~SCARCELY~~ <sup>ALTHO MANY TAKEN</sup> IN THE 2 OTHER TRAPPING LOCATIONS (1/4 mi. ENE AGUANGA, 2050± FT. AND 1 mi. SE AGUANGA, 2500± FT.) WHERE THE GROUND TENDED TO BE OF LOOSE SAND AND/OR LESS COVERED WITH THE DESERT VEGETATION. OTHER MAMMALS TAKEN WHERE THE PEROG. WERE THICKEST WERE DIPLO MYSIDAMUS, DIPLO DACTYLIS AND 1 ONYCHOMYS, ALSO 1 PEROM. MANICULATUS + 1 PEROM. CRINICUS. SEEDS OF OPUNTIA (?) FOUND IN CHEEK POUCHES OF ONE.



P.C. ZIEGLER  
1958

PEROGNATHUS FORMOSUS

①

4 MI. N, 4 $\frac{1}{2}$  MI. W DEUCKHAVEN, <sup>21</sup> ~~MI.~~ N. W. KANE  
SPRINGS, IMPERIAL CO., CALIFORNIA.

Sept 9 3 OF US TOOK 8 OR 9 <sup>OR MORE</sup> ~~PEROGNATHUS~~ ~~COMPS~~  
ALONG WITH DIPLO MESSIAE & ONE  
P. PENICILLATUS. NONE BREEDING.

(NOTE: SEPT. 24, 1958 — 7 OF PEROGNATHUS TAKEN  
WERE P. FORMOSUS & 5 WERE P. PENICILLATUS  
AS IDENTIFIED BY DR. BENSON AT MUSE. I TOOK  
5 OF THE FORMOSUS BUT NONE OF THE  
PENICILLATUS — IT IS HARD TO ~~VISUALIZE~~ <sup>VISUALIZE</sup>  
ANY DIFFERENCE IN THE AREAS THE  
THREE OF US TRAPPED SINCE THE 3 LINES  
WERE <sup>ALL</sup> WITHIN A RADIUS OF 50 $\pm$  YARDS FROM  
CAMPSIDE IN AREA THAT LOOKED QUITE  
UNIFORM. MY TRAPS MAY HAVE BEEN  
SET MORE IN THE OPEN THAN THOSE  
OF OTHER TWO TRAPPER, WHO SET THEIR  
IN MANY INSTANCES AT OPENINGS OF  
BURROWS AND/OR UNDER BUSHES. I TOOK  
NO DIPLO MESSIAE WHILE DR. L & Dick  
TOOK 7. ~~Dr. B.~~ DR. B. SAYS FORMOSUS MAY BE  
TOLD FROM PENICILLATUS BY THE PERMISSED  
LONG POINTED EARS, HARKER TAIL & ~~HOOKED~~ <sup>STRAIGHT</sup>  
BAEULUM. [PENICILLATUS HAS SHORT ROUNDED EARS & ~~HOOKED~~ <sup>HOOKED</sup>  
TAIL: FORMOSUS ~~HOOKED~~ <sup>STRAIGHT</sup>  
PENICILLATUS ~~HOOKED~~ <sup>STRAIGHT</sup>

FORMOSUS MAY BE TOLD FROM BAYLEYI BY



A.C. ZIEGLER  
1958

PEROMYSCUS FORMOSUS

(2)

4 mi. N, 4½ mi. W TRUCK HAVEN, <sup>21</sup>~~30~~ mi. NW VANCE SPRINGS, IMPERIAL Co.,  
CALIF.

Sept. 9  
(cont'd)

FORMOSUS' smaller size ~~large~~ pointed ears  
[instead of short rounded ones] skulls are  
different and when checked? PREVAIL  
OF BATHILL IS STRAIGHT -



P.C. ZIEGLER  
1958

PEROGNATHUS LONGIMEMBRIS

1 1/2 mi. N, 3 mi. W VANDERBILT, IMPERIAL CO., CALIFORNIA.  
IMPERIAL CO., CALIFORNIA

SEPT. 9 TOOK 2 IN NINE OF 40 TRAPS BAITED  
WITH ~~PEAS~~ OATS. I WAS YOUNG, ALSO  
~~DICK & DICK GRAYSON~~ TOOK 1022 AT  
4 mi. N, 4 1/2 mi. W ROCK HAVEN.

SCISSORS CROSSING, EAST LAKE VALLEY SANDHILL CO. CALIF.

SEPT. 10 SEVERAL TAKEN AT THIS LOCALITY & SEVERAL  
AT 3 1/4 mi. S, 2 1/4 mi. E SCISSORS CROSSING. A FAIRLY  
COMMON ANIMAL HERE. FOR LIST OF OTHER  
MAMMALS SEE JOURNAL THIS DATE.

3 1/4 mi. N MANZANITA, 3600<sup>+</sup> FT., MCCLAIN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 13 ONLY 2 OR 3 TAKEN AT THIS LOCALITY &  
THESE ON THE SAND & GRAVEL SHOES - NOT  
IN THE HORSE PASTURES.

1/4 mi. ENE AQUANA, 2050<sup>+</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14 1 TAKEN AT THIS LOCALITY & 3 <sup>(2 IN 400 YD. TRAP)</sup> IN

~~200 YD. TRAP~~ TRAPS AT 1 mi. SE AQUANA 2150<sup>+</sup> FT.  
NONE AT 1 1/4 mi. N <sup>1/3 mi. E,</sup> AQUANA 2300<sup>+</sup> FT. THE LATTER  
LOCALITY WAS QUITE SIMILAR TO FIRST TWO  
BUT PERHAPS LACKED THE MORE OPEN SPACES  
OF THEM. OTHER MAMMALS TAKEN ALONG WITH  
PEROG. LONGIMEMBRIS WERE PEROG. FAULKNER, PEROG.  
MANICULATUS, <sup>PEROG. CRYPTICUS,</sup> & D. PO. MESSIAH. PEROGNATHUS  
FAULKNER WAS MOST COMMON AT 1 1/4 mi. N AQUANA 2300<sup>+</sup> FT.





A.C. ZIEGLER  
1978

Dipodomys deserti

Scissors Crossing, Fort Huachuca Valley, San Diego Co., Calif.

SEPT. 10. ONLY TAKEN IN SMALL WASH. — MANY Dipodomys deserti HERE TOO. THIS WAS ♀ WITH NO EMB'S. 5-TOED WHILE deserti, 4 TOES. ALSO deserti HARBOR, DARKER & LONGER-TAILED.

SENO THING VALLEY, 4625<sup>+</sup> FT, San Diego Co., California

SEPT. 12 PARTY TOOK SEVERAL AT THIS LOCATION ALONG WITH Peromyscus maniculatus & Thomomys bottae. MOST WERE YOUNGISH BUT 1 ADULT ♀ WAS CLOSE TO TERM.

3 1/4 MI. N MANZANITA, 3600<sup>+</sup> FT. MC CAIN VALLEY, San Diego Co., Calif.

SEPT. 13 SEVERAL TAKEN BY PARTY ON THE SAND & GRAVEN SHOALS WITH oak shrubs, manzanita & CLUMPS OF SOME Compositae. OPEN SPACES BETWEEN STANDS OF VEGETATION MIGHT AVERAGE ABOUT 6' IN DIAMETER. GROUND FAIRLY SOLID — PRETTY FIRM TO HOLD UP A BOREWORM. Dipodomys deserti SEEMS TO BE ABSENT FROM THIS VALLEY. OTHER MAMMALS TAKEN WITH deserti WERE Peromyscus maniculatus, Onychomys AND Peromyscus maniculatus.

1 1/4 MI. N, 1/3 MI. E AGUANGA 2300<sup>+</sup> FT. RIVERSIDE CO., CALIFORNIA

SEPT. 14 A FEW TAKEN AT THE 3 LOCALITIES AROUND AGUANGA.

MOSTLY IN AREAS WITH MORE VEGET. COVER AND FIRMER GROUND THAN THAT IN WHICH MOST D. deserti WERE TAKEN.



A.C. ZIEGLER  
1958

DIPodomys DEBERTI

JAN 30 1 MI. E, 2 MI. N TRONA (SAN BERNARDINO CO.) <sup>1700± FT.</sup> INYO CO., CALIF.  
2 TAKEN BY DR. W.B. QUAY LAST NITE IN  
LARGE SHERMAN & LARGE HAVANAST PADS,  
ON SMALL SAND DUNES IN LOWER AREA AT  
N END SHERMAN PAD. I GOT 1 DIPLO MORMANI  
IN SAME GENERAL AREA BUT NOT ON TOP  
OF SAND DUNE. DEBERTI HOLES ARE 3± IN.  
IN DIA. & DID NOT SEEM TO BE CLOSED. RATS  
BANGED UP NOSE JUMPING IN WIRE MESH  
HAVANAST. PADS. DR QUAY USUALLY SETS  
CLOSE TO MOUTH OF BURROW BUT GOT ONE  
OF HIS 2 ON TOP OF SMALL DUNE WITH NO  
HOLES NOTICEABLE NEARBY.



A.C. ZIEGLER  
1958

DIADOMYS HEERMANNI

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN 31 DR QUAY TOOK 2 ANIMALS THAT TO BE THIS  
SPECIES ON GRAVELLY SOIL AMONG ARTEMISIA  
+ OTHER BUSHES. HOLE 1  $\frac{1}{2}$  OR 2 IN. IN DIA. NOTES  
IN DIRT + GRAVEL SOIL BUT ONLY 1 HAD FRESH  
DIRT IN FRONT OF IT. DR. Q. ALSO TOOK 1 PEROMYSCUS  
MANICULATUS + 1 REITHROD. IN THIS AREA. I GOT  
P. MANICULATUS, REITHROD.'S, NEOTOMA LEXIA +  
3 THOMOMYS. BRITE MOON LAST NITE +  
DOWN CLOSE TO FREEZING.

PANOCHE CREEK, 550 $\pm$  FT., FRESNO CO., CALIFORNIA

PUT UP  
AUG 19

1 ♀ TAKEN JAN 29, 1958 BY VIC LEWIN HAD ENLARGED  
MAMMAS ~~AND~~ MAMMARY TISSUE + 2 RT, 2 LT. SCRS.



J.C. ZIEGLER  
1958

DIPodomys merriami

①

1 mi. E, 2 mi. N TROYA (SAN BERNARDINO CO.), 1700<sup>±</sup> FT., INYO CO., CALIF.

JAN 30 1 TAKEN IN LIVE TRAP LAST NITE IN FLAT COUNTRY WITH SMALL BUSHES SPACED 10<sup>±</sup> FT APART. ONLY OTHER MAMMALS TAKEN HERE WERE 2 DIPLO DORSETI BY DR. W. D. QUAY ON SAND DUNES

4 MI. ~~W~~ 4½ MI. W TRUCK HAVEN, <sup>21</sup> MI. NW KANE SPRINGS IMPERIAL CO., CALIFORNIA.

SEPT. 9. DR. L. & D. C. GERMAN TOOK 5026 HERE ALONG WITH P. CRINITUS AND SEVERAL PEROGNATHUS ———; ~~1020~~ AND 1022 P. LONGIMEMBRIS.

3½ MI. S 2½ MI. E SCISSORS CROSSING, CALISTOGUO VALLEY SAN DIEGO CO., CALIFORNIA.

SEPT. 10 PARTY TOOK 45 ~~ROTON~~ AT ABOVE LOC. AT SCISSORS CROSSING. VERY COMMON. SEE JOURNAL FOR OTHER SPECIES TAKEN. MANY BURROWS OF DIPLO'S(?) & PEROGNATHUS? SEEN.

1½ MI. N, 3 MI. E AVALON, 2300<sup>±</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14 SEVERAL TAKEN IN 3 AREAS TRAPPED IN VIC. OF AVALON. SEEMED TO PREFER SANDY WASHES IN SOME INSTANCES RATHER THAN FIRMER GRASS WITH MORE VEGETATION — BUT IT WAS TAKEN IN ALL TYPES OF MICROHABITATS TRAPPED EXCEPT IN LUSH GRASS AROUND A WATERING TANK. OTHER MAMMALS





A. L. ZIEGLER  
1958

Diposaurus merriami

(2)

SEPT. 14  
(cont'd)

1 1/4 mi. N. 3/4 mi. E Arroyo, 2300± ft. Riverside Co. Calif.

WHICH SEEMS TO BE CLOSELY ASSOCIATED  
WITH IT WERE DIP ASHES AND PEROGNATHUS  
FANNAY. SEVERAL OF D. merriami TAKEN  
WERE YOUNG INCLUDING ONE SHOT JUST  
AFTER DUSK WITH AID OF FLASHLIGHT.



A.C. ZIEGLER  
1958

D. PODOBYS N. VESTIGES

PANOCHE CREEK, 550 $\pm$  FT., FRESNO CO., CALIF.  
PUT UP FOR MUSE 2 ♀, 703 coll. JAN 29, 1958 BY  
WM MANOE. SEE HIS NOTES FOR HABITAT DATA.  
ANIMALS SEEMED TO BE BREEDING OR CLOSE TO IT.  
TWO LATEST WT. WERE THE ♀♀, WITH SMALL ENDS  
& SCALES. ♂♂ TESTES 5 x 10 mm  $\pm$ , EPID WITH  
SOME TUBULES VISIBLE. ANIMALS NOT FAT.

PUT UP  
AUG 19 ♀ TAKEN BY VIC LEWIN ON JAN 29, 1958 HAD  
1 RT, 1 LT. VERY FRESH PLAC. SCALES & ENLARGED  
MAMMIES & MAMMARY TISSUE. A ♂ HAD LARGE  
TESTES (6 x 11 mm) & QUITE EVIDENT EPIDIDYMAN TUBES.



A.C. ZIEGLER  
1958

REITHRODONTOMYS MEADOWS

12 MI. SE (BY ROAD) POULINER, SAN BENITO CO., CALIF.

JAN 31 2 IN SNARE TRAPS, 2 IN LIVE TRAPS ON GRAVELLY SOIL AMONG ARTEMISIA + OTHER BUSHES. DR. CLAY TOOK 1 ALSO. DIPLO. HEERMANNI, PEROMYSCUS MANICULATUS, THOMOMYS BOTTAE + NEOTOMA LEBIDA TAKEN IN SAME AREA.

STRAWBERRY CANYON, BARRENEY, SAN JOSE CO., CALIF.

MAR 21. TOOK 3 IN LIVE TRAPS IN MICROTUS BENS IN TALL GRASS + 2 IN GRASS WOODS IN MTS. SPEC. ALONG WITH PEROMYSCUS CALIFERNICUS. BOTH PLACES JUST TO N. SIDE OF <sup>U.S.</sup> ROMANIAN GARDEN FENCE.

JUNE 10 1 IN LIVE TRAP LAST NITE ON PINEHED ASHS + BIRD SEED. NOT SAVED. ALSO CAUGHT 2 MICROTUS CALIF. + 2 Sorex ORNATUS.

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIFORNIA

JUN 14 1 IN TRAP IN WOOD JUST ON EDGE OF GRASS + BACCHARIS DRY HILLSIDE. VERY SMALL (SUB-ADULT?) ANIMAL. SEE CHART IN JUNE 22 NOTES THIS JOURNAL.

4 MI. ENE AVALON, 2000<sup>±</sup> FT., RIVERSIDE CO., CALIF.

SEPT. 14 ONE ADULT + 1 IMMATURE TAKEN ON SANDY + GRAVELLY GROUND WITH SPARSE SHRUB + A LITTLE GRASS COVER. OTHER MAMMALS IN VICINITY WERE DIPLO. DESMUS, PEROM. MANICULATUS, PEROM. FALLEX + ONCHOMYS



A. C. ZIEGLER  
1958

PEROMYSCUS BOYLEI

GRENCRAFT Campground, 2 1/2 mi. N Beckman Springs, ~~SD~~, San Diego Co., Calif.

SEPT. 11. 6 TAKEN IN BRUSH AROUND CAMP —  
ONLY OTHER MAMMAL WAS A PEROMYSCUS  
\_\_\_\_\_? ON A DRIER OPEN HILL SIDE. <sup>SOME</sup> OTHERS  
LARGE TESTES & 1 ♀ HAD 3 - 8mm EMB'S.





A. C. ZIEGLER  
1958

PEROMYSCUS CALIFORNICUS

SNOWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR 21.

Caught 4 or 5 in mus. traps on sand shaded, brushy slope beside <sup>U.C.</sup> Botanical Garden fence (+ on Snowberry Creek). Put up 2 ♂ + ♀. Caught only 2 Reithrodontomys within reach. Unusual no other species of Peromyscus caught here since trapping here, or close by, has often given P. truei + P. maniculatus — ~~more~~ I was in too damp + shady a spot.

~~SEPT 13~~ 3 1/4 mi. N Manzanita, 3600± ft., McCain Valley, San Diego Co., Calif.

SEPT 13

Dr. LIOCHER took a couple of mice, <sup>or beside a</sup> in ~~CHAPARRAL~~ - like thickets, which certainly looked like P. CALIFORNICUS.



A.C. ZIEGLER  
1958

PEROMYSCUS CRINITUS

4 MI. N, ~~3~~<sup>2</sup> $\frac{1}{2}$  MI. W TRUCK HAVEN, ~~3~~<sup>2</sup> MI. NW  
KONE SPRINGS, IMPERIAL CO, CALIF.

SEPT. 9 TOOK ONE OTHER & DR. L. TOOK  
ANOTHER AT 4 MI. N,  $4\frac{1}{2}$  MI. W TRUCK HAVEN.  
HIS ANIMAL WAS ♀ WITH 3 PRENATAL  
SCARS - THE ONLY MAMMALS WE TOOK  
IN THIS IMMEDIATE AREA WHICH SHOWS  
ANY BREEDING ACTIVITY.



A. C. ZIEGLER  
1958

Peromyscus crinitus

$1\frac{1}{4}$  mi. N  $\frac{1}{3}$  mi. E  
AQUANCA, 2300 $\pm$  FT., RIVERBEND CO. CAN. K.

SEPT. 14. TAKEN RATHER SPARINGLY AT ANH 3 LOCATIONS.  
TRAPPED AROUND AQUANCA. - FOUND ALONG WITH  
PEROMYSCUS MANICULATUS AND NO HABITAT  
DIFF.'S IN THE 2 SPECIES COULD BE OBSERVED.  
I WAS NOTICED TO HAVE ACRA ABOUT MOUTH STAINING  
MAGENTA - PROBABLY FROM EATING THE FRUIT  
OF OPUNTIA (?) WHICH WAS VERY ABUNDANT IN  
ACRA.



A.C. ZIEGLER  
1958

PEROMYSCUS MANICULATUS

①

12 mi. SE (BY ROAD) PALMERS, SAN BENITO CO., CALIF.

JAN 31 9 TAKEN IN LIVE TRAPS & 5 IN SNAP TRAPS ON  
GRAVELLY SOIL AMONG ADENOCALYX BUSHES.  
SEEM TO HAVE A FAIR AMOUNT OF GREYISH  
IN THE BROWNISH ADULT PELAGE. DR. Q TOOK  
1 SUBADULT. IN SAME AREA DIPLO HOBOMANNI (?)  
REITHARD, THOMOMYS, NEOTOMA LEPIDORA.

SENO FRING VALLEY, 4625<sup>±</sup> FT., SAN DIEGO CO., CALIF.

SEPT. 12 ASHY TOOK SEVERAL IN AN AREA  
GRAPED IN VALLEY. TRAPPED ALONG WITH  
DIPLO. BETHIS. DICK GRAHAM GOT THE ONLY  
TWO PEROM. "TENEI"? TAKEN — THESE  
IN A DRY BULKY NEAR CAMP. THE  
MANICULATUS SHOWED EXTREMES OF  
COLORATION — FROM LIGHT TAN TO FAIRLY  
DARKISH BROWN. — SEEMINGLY IRRESPECTIVE  
OF THE <sup>MICROHABITAT</sup> ~~SPOT~~ WHERE EACH WAS TAKEN.

3 1/4 mi. N MANZANITA, 3600<sup>±</sup> FT., MC CAIN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 13 SEVERAL TAKEN BOTH ON THE SAND &  
GRAVEL SHADE & IN HOSE PASTURES. IN  
PASTURE HOWEVER IT WAS <sup>NOT TAKEN IN OPEN FIELD BUT</sup> ONLY TAKEN ALONG  
A WIRE FENCE WHERE WIND HAD PILED UP  
FLOWER STEMS & BRANCHES IN A "TUMBLEWEED"  
MANNER. SOME ANIMALS VERY LIGHT BROWN  
OR TAN-COLORED — OTHERS RELATIVELY DARK  
GREY BROWN.





A.C. ZIEGLER  
1958

(2)

Peromyscus maniculatus

1 1/4 mi. N, 1/2 mi. E Aguanga, 2300<sup>±</sup> ft., Riverside Co., Calif.

Sept. 14 TAKEN SPARINGLY AT ALL 3 LOCALITIES  
TRAPPED IN VICINITY OF AGUANGA — SHOWN  
WITH Peromyscus eremicus, Dipodomys deserti &  
Perog. sonoriensis. FEWER MANICULATUS THAN  
P. EREMICUS — ABOUT 1:2 RATIO.



A.C. ZIEGLER  
1958

Peromyscus truei

Sawtooth Canyon, 8500<sup>+</sup> ft., Bessey, Arapahoe Co., Calif.

AUG. 30

1 ON DRY BACCHARIS + ARTEMISIA-COVERED  
STEEP HILLSIDE. ♀ WITH 3 FRESH SCARS. ANT-  
EATEN IN NEAR. CAUGHT ALSO 1 PEROMYS IN  
IMMEDIATE VICINITY & 1 PEROMYS TAKEN  
DOWN SLOPE IN DRY GRASS + BACCHARIS.  
HAVE CAUGHT 2023 PEROMYS ON THIS  
S-FACING SLOPE BEFORE.



P. L. ZIEGLER  
1958

ONYCHOMYS TORRIDUS

①

SCISSORS CROSSING PARTY QUAKE VALLEY, SANDIEGO CO. CALIF.

SEPT. 10 Party took about 5 at this locality & 7 at  $3\frac{1}{4}$  mi. S,  $2\frac{1}{2}$  mi. E Scissors Crossing. (1 was immature) Taken along with DIPLO MESSIAE, DIPLO BOHIS (1 only), PEROG. LONGMEMBRIS & PEROG. MANICULATUS, ALSO 1 NEOTOMA sp. DID NOT SEEM TO BE RESTRICTED TO BUSHES OR BURROWS BUT WERE TAKEN IN OPEN ~~ALSO~~. WHEN SKINNED SEEMED TO HAVE SOME SORT OF "SKUNKY" SCENT, POSSIBLY FROM ANTERIOR GLANDS.

$3\frac{1}{4}$  mi. N MANZANITA, 3600 $\pm$  FT., MC CAIN VALLEY, SANDIEGO CO., CALIF.

SEPT. 13 1 TAKEN HERE - IN <sup>SAME</sup> TRAP IN WHICH AT 10:00 PM LAST NITE ~~AND~~ PEROG. LONGMEMBRIS WAS FOUND WITH ITS BRAIN NEARLY EATEN <sup>FROM ABOVE & BELOW.</sup> OUT. NO OTHER PART OF BODY DAMAGED. SKULL WAS SOME CHIPS UP TO THE CRIBIFORM RIDGE. PEROGNATHUS APPARENTLY EATEN IN PLACE SINCE WERE NOT DAMAGED AT ALL. PURELY CIRCUMSTANTIAL EVIDENCE BUT I THINK IT WAS ~~THE~~ ONYCHOMYS WHICH ATE THE PEROG.

$1\frac{1}{4}$  mi. N,  $\frac{1}{3}$  mi. E AQUANGA, 2300 $\pm$  FT., RIVERSIDE CO., CALIF.

SEPT. 14. ONE AT THIS LOCALITY AND ONE AT  $\frac{1}{4}$  mi. ENE AQUANGA, 2050 $\pm$  FT. . AT THE LATTER LOCALITY I FOUND A PEROGNATHUS WITH THE BRAIN NEARLY



A.C. ZIEGLER  
1958

ONYCHOMYS TARRIOWI

(2)

$\frac{1}{4}$  mi. N,  $\frac{1}{3}$  mi. E AQUANAS, 2300 $\pm$  FT. RIVERSIDE Co, CALIF.

SEPT. 14  
(CONT'D)

EATEN OUT (AS DESCRIBED IN ACCOUNT OF SEPT. 13  
ABOVE) 2 YEARS AWAY FROM THAT IN WHICH  
THE ONYCHOMYS WAS TAKEN SO CLOSE I  
THINK THIS BRAIN-EATING WAS GRASSHOPPER MOUSE  
WORK





A.C. Zieglar  
1958

NEOTOMA FUSCIPES

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 22. SEE NOTES + CHART UNDER THIS DATE IN  
JOURNAL.



A.C. ZIEGLER  
1958

NEOTOMA LEODA

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN 31 TOOK 1 LAST NITE IN RAT TRAP ON ROCKY BANK BESIDE SMALL CREEK IN FAIRLY OPEN FIELD WITH 3 FT. HIGH ARTEMISIA + OTHER BUSHES. TAKEN BESIDE A BIG PILE OF DEAD BRUSH WHICH MAY HAVE SHELTERED THE RATS HOUSE. NEAREST SUITABLE ROCK HABITAT WAS PERHAPS 100 YARDS AWAY ACROSS THE CREEK. ALSO TAKEN IN THIS AREA WERE REITHROD'S, PEROMYSCUS MANICULATUS, DIPLO. HEGGMANNI(?), THOMOMYS BOTTRE. MANY OF MY MUS. SPEC. TRAPS WERE SPRUNG WITHIN 200 FT. OF WHERE NEOTOMA WAS TAKEN! SO PERHAPS BY THE WOOD RAT. ANIMAL SEEMS SMALLISH BUT DR. BENSON SAID ABOUT NORMAL SIZE. EARS WERE WITH SMALL THICK ATTACHMENT INSIDE ONE.



A.C. ZIEGLER  
1958

PHENSAEOMYS LONGICAUDUS

PUT UP  
FEB. 21

1 MI. N CAMP MEEKER, SANJOA CO., CALIFORNIA

PUT UP 2 "SKIN ONLY" FROM SPECIES USED BY WM  
HAMILTON & DOUGLAS IN REPRODUCTIVE STUDIES.  
SEE MY JOURNAL THIS DATE FOR MORE DATA.  
MY # 1022, 1023.

JUNE 29

1 MI. N JENNER P.O., 1500<sup>+</sup> FT., SANJOA CO., CALIF.

COUNT 3 ♀ & 1 ♂ WITH BILL HAMILTON III  
AT WINNICKS RANCH AT ABOVE LOCATION IN  
DOUGLAS FIRE. PUT UP ♂, BILKLEST ♀'S.  
SEE NOTES IN THIS JOURNAL THIS DATE.



A.C. ZIEGLER  
1958

Microtus CALIFORNICUS

①

BROOKS ISLAND, 50<sup>±</sup> FT., CONTRA COSTA CO., CALIF.  
JAN 18. None on Brooks or Red Rock but Paul  
Anderson has introduced some taken near  
Dr. Parsons home near Orin on the  
small island 100 yards or so W of N  
tip of Brooks. This was done perhaps  
last summer, but I don't know for  
sure. Paul looked at colony today &  
said they were doing fine apparently.

~~MAI~~ STEAMBOAT CANYON, BERKELEY, ALAMEDA CO., CALIF.  
MAY 1 3 (1 dead in live trap) in tank grass  
border parking lot at N side of U.C.  
Botanical Garden fence. Got also 3 REITHRO  
in same line of SHERMAN live traps.

JUNE 10 2 ADULT ♀ IN LIVE TRAPS 100 YDS W  
CYCHORRA ROAD EAST SIDE ON RAILROAD CUTS  
& BIRD SEED. Will save these to see if  
pregnant. Caught also 1 REITHRO & 2  
SABOT ORNITHUS.

1 MI. W BOLINAS P.O., 120<sup>±</sup> FT., MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN  
JOURNAL.

JULY 6 SEE NOTE IN JOURNAL FOR THIS DATE.





A.C. ZIEGLER  
1958

(2)

MICROTUS CALIFORNICUS

STRAWBERRY CANYON <sup>8500 ft.</sup> BERKELEY, ALAMEDA CO., CALIF.

SEPT. 27

TOOK 7 THIS AM AS FOLLOWS:

♂	29.7 gm.	TESTES 2x3 mm, EPID. —
♂	44.0 "	" 3x4 mm, "
♂	47.6 "	" " "
♂	57.1 "	" " "
♀	29.6 "	NO EMB'S OR SCARS, VAGINA CLOSED.
♀	35.8 "	" " "
♀	40.4 "	" " VAGINA OPEN

THE SEMINAL VESICLES OF ♂'S WERE THREAD-LIKE, ~~BASELY~~ NOTICEABLE. ALSO TOOK 3 PEROMYSCUS ALONG WITH THESE MICROTUS. MICROTUS FROM MASH AT MARTINEZ, CALIF. COLLECTED IN LAST FEW DAYS BY CHAS. THAYER & MUR HAVE BEEN BREEDING (YOUNG, EMB'S, SCARS, ETC.) BUT THESE IN CANYON SEEM NOT TO BE ~~BEING~~ HAVE HAD ONLY 1 LIGHT RAIN SO FAR THIS LATE SUMMER FORTH. RUNS OF ANIMALS IN STRAWBERRY SEEM TO BE IN THE THIN, DEAD GRASS RATHER THAN IN THE VERY THICK GREEN MATTED GRASS. I TOOK 6 OF THE 7 ABOVE IN "THIN, DEAD-GRASS" AREAS & ONLY 1 ON ~~EDGE~~ OF THICK GREEN GRASS. BROWN GRASS MADE UP AND PILES OF CUTTINGS SEEN BUT IT COULD NOT BE DETERMINED IF IT WAS DEAD OR GREEN WHEN ORIGINALLY CUT. TRAPPING AREA ABOUT 100 YARDS UP ROAD FROM BOTANICAL GARDENS.



A. L. ZIEGLER  
1958

(3)

MICROTUS CALIFORNICUS

STRAWBERRY CANYON, 850<sup>±</sup> FT., BERKELEY, ALAMEDA CO., CALIF.

OCT. 3 ANIMALS TAKEN BY MARTIN L. MURIE OF MUSE  
NEAR BOTANICAL GARDENS HAD FOLLOWING DATA:

3 ♂♂ (NO WT.)

TESTES 3x4 mm., EPID. -

♂ ( " )

" 1x2 mm EPID. -  
(A LARGER ANIMAL)

♀ ( " )

NO EMB'S OR SCARS, VAGINA CLOSED

ALSO A ♀ TAKEN SEPT. 25, 1958 ON HILL 300-400  
YARDS ABOVE BOTAN. GARDEN. HAD LARGE UTERINE  
HORN BUT NO EMB'S OR SCARS.

NOV. 16 TOOK 1 ♂, 1 ♀ AND A RETIRO IN 33 LIVE  
TRAPS NEAR BOTAN. GARDEN. HILLSIDE IS BEING  
CLEARED + MICROTUS SEEM TO HAVE DESERTED  
SOME OF FORMER HABITAT NEAR THE  
CLEARING WORK.

♂ 47.2 gm.

TESTES 4x7 mm, EPID. -

♀ CAPTIVE

VAGINA CLOSED

(♂ HAD AN EXCEPTIONALLY LONG TAIL, MEAS'S - 193-64-22<sup>(W)</sup><sub>46</sub>)



A.C. ZIEGLER  
1958

RATTUS RATTUS

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO CO, CALIF.

MAY 6

PUT UP 2 ON MAY 7 TAKEN IN ELEPHANT HOUSE BY "SAN FRANCISCO ROBERT CONNORSON", H.E. SMITH, WHO BROUGHT THEM IN, SAID SOMETHING ABOUT THE PEOPLE TAKING MANY YOUNG (LIKE THESE 2) AT THIS TIME BUT HE WAS NO MORE DEFINITE THAN THAT. BERRY SKIN OF THE 2 WAS PRETTY ROTTEN. ABOVE GRAYISH WITH JUST A SUGGESTION OF BROWN, WHITE BELOW, TAIL FAIRLY UNICOLOR TO MUTE CONCEPTION.



A.C. ZIEGLER  
1958

(7)

MUS MUSCULUS

BROOKS ISLAND, 10<sup>1</sup>/<sub>2</sub> MI. CONCORD COSTA CO. CALIF.

JAN 5.

5 FROM HORE (ACZ# 982-986) VERY DARK  
— A COUPLE ALMOST BLACK — ABOVE + ALMOST  
AS DARK BELOW. FRESH PERAGE WITH LONGER  
GUARD HAIRS. + FAIRLY THICK. TAKEN ANY-  
TIME (1 MORE ~~WAS~~ CATCHED IN NETS + NOT BRAT  
BACK) BY PAUL K ANDERSSON + J. C. OWSER at  
MVB.

GIVEN #  
JAN 8

SAN RAFAEL (5 WARNER COURT.) MARIN CO. CALIF.

3 MICE, PERHAPS FROM CITY ITSELF,  
SENT IN — 2 WERE BLACK TOP + BOTTOM  
+ SEEMED (IN ANECDOTE, ANYWAY) TO BE MELAN-  
ISTIC LAB TYPE MICE — IN OTHER WORDS  
THERE DID NOT SEEM TO BE THE GRADING OF  
DARKER TO LIGHTER FROM DORSUM TO VENTRAL  
SIDE AS COULD BE SEEN IN THE BROOKS IS. SPECIES  
OF JAN 5, 1958. PERHAPS SOMEONE'S PETS WERE  
TURNED LOOSE OR MAYBE JUST A (COMBINED)  
MELANISTIC MUTATION TOOK PLACE IN SAME  
TO THE SAN RAFAEL PARADISE. OTHER 1 MUS  
SEEMED TO BE A NORMALLY COLORED MUS  
— BROWNISH GREY ABOVE, LIGHTER BELOW, COARS  
ARE AWH HARD TO TEEN IN ANECDOTE + DUE  
TO SL. PAGES FUR COULD NOT BE SAFELY DRAWN  
WITH AIR HORE. SAID FOR MVB AS ANECDOTES.  
(A.C. Z# 987-989). CORRESPONDENCE (PERHAM TO BENSON) SAID SAME  
MR. WARNER HAD "CAUGHT A BLACK FIELD MOUSE (MICOTUS) IN LATE  
SUMMER" ALSO.





A.C. ZIEGLER  
1958

MUS MUSCULUS

(2)

BROOKS ISLAND, 50<sup>±</sup> FT., CONTRA COSTA CO., CALIF.

JAN 18

TOOK 19 IN 40 MUS. SPS. + 3 RAT TRAPS. SEE JOURNAL FOR TIMES + 2 OTHER TRAPPER'S RESULTS. LIFTED UP BOARD AT 10<sup>±</sup> FT. + 3 MUS RAN OUT. POPULATION NOW SEEMED GREAT + COMMON. SEEMED TO BE MORE MUS ON NE TIP OF ISLAND IN TANK WETTER GRASS THAN JUST 100 YARDS AWAY AROUND ON THE SLIGHTLY DRIER NW TIP WHERE GRASS WAS NOT QUITE SO THICK + WHERE MUCH BACCHARIS GROW. ALMOST ALL OF ~~THE~~ TRAPS ON NE SIDE EXCEPT 2 HAD MUS - LESS THAN HALF OR LESS THAN ONE THIRD ON NW SIDE HAD MICE + 2 WERE SPRUNG WITH NOTHING IN THEM. TRAPS SET ROUGHLY  $\frac{1}{2}$  ON NE,  $\frac{1}{2}$  ON NW SIDE - MAYBE DIFFERENCE IN CATCH JUST "TRAPPING LUCK" SINCE TWO AREAS ~~WERE~~ SEEMED TOO CLOSE TOGETHER TO BE MUCH DIFFERENT. PUT UP 2, SAVED HALF A DOZ. OTHERS AS ALCOHOLS WITH NO #'S. DISCARDED REST. RATS ONLY OTHER <sup>RODENT</sup> ~~ANIMALS~~ ON ISLAND AS FAR AS WE COULD TELL. SARROW HAWK ALSO SEEN + 1 HAWK OR OWL PERCHT FOUND HAD MUS REMAINS.



A.C. ZIEGLER  
1958

VULPES MACROTIS

7 MI. E (BY ROAD) MERCED HOT SPRINGS, FRESNO Co, CALIF.  
JAN 30 SAW 2 OR 3 OF THIS SPECIES + 2 OR 3 GREY FOXES  
PLUS 1 LYNX HUNG ON FENCE ALONG ROAD. TRAPPED  
+ CHUBBED OVER HEAD. SAVED THE FRESHEST KIT  
FOX FOR SPECIMEN. SKINNED OF LYNX + FOX  
OR 2 ALREADY TAKEN PREVIOUS BY OTHER MUSE  
COLLECTORS LEWIN + MANOR. SEVERAL VERY  
SMALL FLEAS NOTICED JUMPING OFF OF SKIN ON  
NITE OF JAN 31 WHEN I WAS SKINNING IT. THERE  
MIGHT HAVE BEEN FROM RECENTLY HATCHED EGGS  
SINCE IT SEEMS UNUSUAL THAT <sup>ADULT</sup> FLEAS ON ANIMAL  
WHEN IT WAS TRAPPED WOULD STILL REMAIN ON SKIN  
FOR SEVERAL DAYS.



A. C. ZIEGLER  
1958

UROCYON CINEREO ARGENTUS

7 MI. E (BY ROAD) MERCURY HOT SPRINGS, FRESNO Co., CALIF.  
JAN 30. 2 OR 3 FOUND HUNG ON FENCE BESIDE ROAD  
APPARENTLY TRAPPED & CLUBBED TO DEATH.  
SEE NOTES UNDER VULPES MACROTIS & JOURNAL  
THIS DATE & LOCALITY.

2 MI. W, 4 MI. N BOLINA P.O., 4000 FT., MARIN Co., CALIF.  
JULY 6 4 CARCASSES HUNG ON FENCE - TRAPPED.  
2<sup>+</sup> YEARS SINCE DEATH. ALSO 1 BASSON &  
5 LYNX



A.C. ZIEGLER  
1958

TAXIDEA TAXUS

2 MI. W, 4 MI. N BOWMAN P.O., 400<sup>±</sup> FT., MASON CO., CALIF.

JULY 6

1 CARCASS FOUND HUNG ON FENCE  
ALONG WITH 4 UROSAURUS + 5 LYNX  
DEAD ABOUT 2 YEARS.





A.C. ZIEGLER  
1958

LYNX RUFUS

7 MI. E (BY ROAD) MOSBY HOT SPRINGS, FREEMO CO., CALIF.

JAN 30 ~~ONE TRACK~~ ~~ON~~ FENCE ALONG  
ROAD. NO HEAD FOUND - SEE NOTES UNDER  
VULPES MACROTIS & JOURNAL THIS DATE &  
LOCATION.

2 MI. W, 4 MI. N BOLINAS P.O., 400± FT., MARIN CO., CALIF.

JULY 6 5 CARCASSES HUNG ON FENCE - DEAD  
2± YEARS. ALSO 1 BADGER & 4 UROSAURUS.





















